

Grundfos Domestic & Commercial HVAC Price List March 2021 Category 1



PRODUCTS INCLUDED:

ALPHA3

UPS3

MAGNA

TP(E)D

KP/AP/Unilift

SOLOLIFT2

SCALA2

CUE



PLEASE NOTE THE FOLLOWING FROM OUR TERMS AND CONDITIONS OF SALE:

A copy of our full terms and conditions are available at the back of this price list & all prices are delivered at place (DAP) and subject to VAT at the standard rate.

MINIMUM ORDER VALUE

Our minimum order value is **£55.00 NET**. Orders between the minimum order value and the low order threshold of **£335.00 NET** for pumps or **£130.00 NET** for Category 4, S1,S2,S3,S4 items will be subject to a **£37.00 NET** handling fee.

EXPRESS DELIVERY OPTIONS;

INTERSPEED (PER ITEM) (above **150 Kgs** – subject to transport availability and additional cost)

- CR(I)(E), CRN(E) Vertical Multistage
- Non-stock SP/SPA models (with or without drop cable cut in 5 metre increments. Please note; resin cable joint will take 24 hours to set)
- Order must be received electronically by **10.45am** – despatch same day, **delivery by Express Carrier Service** – UK (*note restrictions apply)
£80.00 NET (PER ITEM)

BOXSPEED (PER ITEM) – (above **100 Kgs** – subject to transport availability and additional cost)

- ALPHA, UPS, UPN, UPS3/UPM Circulators
- Magna (D) Glandless Circulators
- UP/UPS/Magna Replacement Heads/Terminal boxes
- TPE(D), NB(E) Glanded
- CM, CME Horizontal Multistage
- JP, MQ and Tanks/Vessels (up to 500 Litre)
- CMB(E), Boosters, Scala
- AP, KP, CC, SL1, SLV, Unilift, Sololift
- SQ, SQE, SB(A), SP2A, 3A & 5A >1.5kW (**Excluding pumps with cable fitted as well as SP longer than 2.4 metres**)
- Motors, Flanges & Unions, Pump Components, Chamber Stacks
- Order must be received electronically before **13:30pm** – despatch same day, **delivery by Express Carrier Service** – UK (*note restrictions apply)
FIRST ITEM - £60.00 NET & ADDITIONAL ITEMS £25.00 EACH (PER ORDER)

SPARESPEED (PER ITEM)

- Only applies to spares kits, (**not chamber stacks, components, pump heads or terminal boxes**)
- Order must be received electronically before **13:30pm** – despatch same day, **delivery by Express Carrier Service** – UK (*note restrictions apply)
FIRST ITEM - £50.00 NET & ADDITIONAL ITEMS £25.00 EACH (PER ORDER)

* Express Carrier Service ONLY guaranteed if placed on time via Extranet/EDI. Deliveries to the Highlands, certain mainland post codes and offshore UK may take an extra day. All services are dependent on component and product availability. Grundfos can guarantee despatch or availability for collection same day but cannot guarantee delivery. Grundfos cannot accept any cancellations or amendments once the goods have been despatched. Cancellations are subject to the Product Returns Fee below. **BREXIT - Express delivery cut off times for deliveries into the UK from an EU have changed from 1:30PM to 10:00AM & all deliveries to Northern Ireland will all be despatched from our DC in Sunderland only.**

SPARES STANDARD DELIVERY CHARGE

- A **£30.00 NET** handling fee will be applied, per order, to all orders for spares, pump components, spares kits.
- This charge does NOT apply if **SPARESPEED**, express service or our online ordering system (EDI), and/or Extranet are used for order placement.

PRODUCT RETURNS FEE

• On receipt of written agreement from Grundfos, items can be returned and will be subject to a minimum **35%** restocking fee. Goods must be returned in their original packaging and within **6 months of date of despatch**. All returns will be subject to inspection, to ascertain age, condition and product type and can incur an increased restocking charge. Please contact grundfos-uk@sales.grundfos.com with the original purchase order, to arrange collection. Do not send items to Grundfos as they will be refused delivery, collection will be arranged.

Exclusions to Product Returns apply;

- Items with a NET value of **£150.00 or less (per item)**.
- All Service kits, cable including attached to pump, assembled/engineered to order product and obsolete/phased out product cannot be returned.

STORAGE CHARGE

- There will be a **2%** storage charge of the item invoice value, payable per month, commencing one month from the date the goods were available for delivery from Grundfos.

WARRANTY PERIOD

- Grundfos pumps are warranted for 24 months from installation or 30 months from manufacture; whichever is the sooner.
- There is a five-year warranty that covers manufacturing or material defects on domestic heating circulators: UPS3 15-50/65, UPS2 15-50/60, ALPHA models, Amazon & Amazon Universal shower pumps. From 1st March 2017 SCALA2 booster pumps when used in domestic applications were included and from 1st February 2020 MAGNA3, TPE, NBE and NKE models were added.

SERVICE AND COMMISSIONING

Grundfos offers a wide range of service, repair and commissioning options. Please contact Service on 01525 850000 or email servicesupportuk@grundfos.com

ORDER TRACKING AND PROOF OF DELIVERY

- Order status and Proof of Delivery can be obtained via Grundfos Extranet or MyGrundfos online portals.
- For extranet access contact grundfos-uk@sales.grundfos.com. Self-registration for MyGrundfos can be found here; <https://uk.grundfos.com/mygrundfos>

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CATEGORY 1 - DOMESTIC HEATING CIRCULATORS

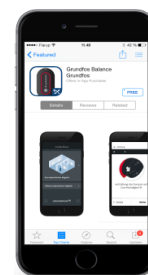
DOMESTIC HEATING PRODUCTS

Model	Pump Ports	£	240V 1ph 50Hz Product Code
UPS3 15-50/65	No fittings	POA	99199622
ALPHA1 15-50/60 Model B	No fittings	POA	99415672
ALPHA3 15-50/60 Model B *	No fittings	POA	99371966

Light commercial

UPS2 25-80	No fittings	POA	98707848
UPS2 32-80	No fittings	POA	98707851

ALPHA Reader MI401 **	POA	98916967
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Mobile applications:
Grundfos GO Balance
Grundfos GO Remote

Union sets for pumps supplied with no fittings are listed separately and need to be ordered as an extra item.

* - ALPHA3 Model B has integrated communication, separate reader not required.

** - ALPHA Reader only for use with ALPHA3 Model A and Grundfos GO Balance mobile application

CATEGORY 1 - UP(N)/UPS(N) HOT WATER SERVICE CIRCULATORS

HOT WATER SERVICE CIRCULATORS

WRAS Approved

Model	Pump Ports	£	240V 1ph 50Hz Product Code
ALPHA1 15-50N Model B	No fittings	POA	99415696
UPS 15-50N	No fittings	305	97549426
UP 20-07N	No fittings	300	98057201
UP 20-15N	No fittings	333	98057205
UP 20-30N	No fittings	343	98057221
UP 20-45N	No fittings	373	98057222

Model	Pump Ports	£	240V 1ph 50Hz Product Code
UPS 25-55N	No fittings	507	95906772
UPS 25-80N	No fittings	608	98057227
UPS 32-55N	No fittings	703	95906773
UPS 32-80N	No fittings	802	98057247
UPS 32-100N	No fittings	867	98057249
UPS 40-50F N	No flanges	877	98057242
UPS 40-80F N	No flanges	1,053	95906774

Only the highlighted pump is now available in yellow with a stainless steel body and silver nameplates.

Union sets, valves and flange sets for pumps supplied with no fittings/flanges are listed separately and need to be ordered as an extra item.

COMFORT HOT WATER SERVICE CIRCULATORS

WRAS Approved

Model		£	240V 1ph 50Hz Product Code
COMFORT 15-14 B PM GB	HWS circulator	210	99164484
COMFORT 15-14 BA PM GB	HWS circulator with Autoadapt	345	99164487

Note: Comfort Hot Water Series Circulators should only be fitted into "pressurised" HWS circulation circuits.



CATEGORY 1 - ACCESSORIES

UNIONS/VALVE SETS

UP/MAGNA/TP

Item	Pumps	£	Product Code
3/4" BSP Brass Union Set	UP20N	34	529982
22mm Isolating Valve	UP20N	32	519801
1" BSP Brass Union Set	UPS15N, UPS25N, TP25-xx/2 R	15	529972
1 1/4" BSP Brass Union Set	UPS32N, TP32-xx/2 R	88	509971
1" BSP Union Set	UPS2 25-80, MAGNA1/3 25, TP25	14	529922
1 1/4" BSP Special Union Set	UPS2 25-80, MAGNA1/3 25, TP25	38	529821
1 1/4" BSP Union Set	UPS2 32-80, MAGNA1/3 32, TP32	14	509922
1 1/2" BSP PN10 Bronze Flange Set	UP40-xx F N	832	539910
Valve kit COMFORT (Isolating and Non-return)	COMFORT 15-14 B/BA	41	00ID8748

CATEGORY 1 - MAGNA1 VARIABLE SPEED CIRCULATORS

SINGLE HEAD MAGNA1 VARIABLE SPEED CIRCULATORS

MAGNA1

Model	Pump Ports	230-240V 1ph 50Hz	
		£	Product Code
MAGNA1 25-40	1½" BSPM	458	99221216
MAGNA1 25-60	1½" BSPM	544	99221217
MAGNA1 25-80	1½" BSPM	620	99221213
MAGNA1 25-100	1½" BSPM	685	99221214
MAGNA1 25-120	1½" BSPM	771	99221215
MAGNA1 32-40	2" BSPM	563	99221233
MAGNA1 32-60	2" BSPM	658	99221234
MAGNA1 32-80	2" BSPM	687	99221235
MAGNA1 32-100	2" BSPM	752	99221236
MAGNA1 32-40F	32mm Flanged	620	99221263
MAGNA1 32-60F	32mm Flanged	725	99221269
MAGNA1 32-80F	32mm Flanged	763	99221275
MAGNA1 32-100F	32mm Flanged	875	99221237
MAGNA1 32-120F	32mm Flanged	1,170	99221285
MAGNA1 40-40F*	40mm Flanged	772	99221291
MAGNA1 40-60F*	40mm Flanged	847	99221292
MAGNA1 40-80F*	40mm Flanged	1,121	99221303
MAGNA1 40-100F*	40mm Flanged	1,240	99221304
MAGNA1 40-120F	40mm Flanged	1,400	99221305
MAGNA1 40-150F	40mm Flanged	1,679	99221306
MAGNA1 40-180F	40mm Flanged	1,931	99221307
MAGNA1 50-60F**	50mm Flanged	1,505	99221333
MAGNA1 50-80F	50mm Flanged	1,657	99221334
MAGNA1 50-100F	50mm Flanged	1,755	99221335
MAGNA1 50-120F	50mm Flanged	1,852	99221336
MAGNA1 50-150F	50mm Flanged	2,134	99221337
MAGNA1 50-180F	50mm Flanged	2,502	99221338

Model	Pump Ports	230-240V 1ph 50Hz	
		£	Product Code
MAGNA1 65-40F	65mm Flanged	1,603	99221382
MAGNA1 65-60F	65mm Flanged	1,830	99221371
MAGNA1 65-80F	65mm Flanged	1,993	99221372
MAGNA1 65-100F	65mm Flanged	2,101	99221373
MAGNA1 65-120F	65mm Flanged	2,253	99221374
MAGNA1 65-150F	65mm Flanged	2,599	99221375
MAGNA1 80-60F	80mm Flanged	2,112	99221406
MAGNA1 80-80F	80mm Flanged	2,274	99221407
MAGNA1 80-100F	80mm Flanged	2,480	99221408
MAGNA1 80-120F	80mm Flanged	2,784	99221409
MAGNA1 100-40F	100mm Flanged	2,253	99221438
MAGNA1 100-60F	100mm Flanged	2,459	99221439
MAGNA1 100-80F	100mm Flanged	2,664	99221440
MAGNA1 100-100F	100mm Flanged	2,903	99221441
MAGNA1 100-120F	100mm Flanged	3,293	99221442



TWIN HEAD MAGNA1 VARIABLE SPEED CIRCULATORS

MAGNA1 D

Model	Pump Ports	230-240V 1ph 50Hz	
		£	Product Code
MAGNA1 D 32-40	2" BSPM	1,139	99221238
MAGNA1 D 32-60	2" BSPM	1,267	99221239
MAGNA1 D 32-80	2" BSPM	1,391	99221240
MAGNA1 D 32-100	2" BSPM	1,451	99221241
MAGNA1 D 32-40F	32mm Flanged	1,255	99221267
MAGNA1 D 32-60F	32mm Flanged	1,397	99221273
MAGNA1 D 32-80F	32mm Flanged	1,545	99221279
MAGNA1 D 32-100F	32mm Flanged	1,625	99221242
MAGNA1 D 32-120F	32mm Flanged	2,366	99221286
MAGNA1 D 40-40F*	40mm Flanged	1,564	99221293
MAGNA1 D 40-60F*	40mm Flanged	1,576	99221294
MAGNA1 D 40-80F*	40mm Flanged	2,230	99221308
MAGNA1 D 40-100F*	40mm Flanged	2,459	99221309
MAGNA1 D 40-120F	40mm Flanged	2,958	99221310
MAGNA1 D 40-150F	40mm Flanged	3,333	99221311
MAGNA1 D 40-180F	40mm Flanged	3,834	99221312
MAGNA1 D 50-40F**	50mm Flanged	2,585	99230357
MAGNA1 D 50-60F**	50mm Flanged	3,046	99221339
MAGNA1 D 50-80F	50mm Flanged	3,352	99221340
MAGNA1 D 50-100F	50mm Flanged	3,550	99221341
MAGNA1 D 50-120F	50mm Flanged	3,747	99221342
MAGNA1 D 50-150F	50mm Flanged	4,316	99221343
MAGNA1 D 50-180F	50mm Flanged	5,061	99221345

Model	Pump Ports	230-240V 1ph 50Hz	
		£	Product Code
MAGNA1 D 65-40F	65mm Flanged	3,243	99221376
MAGNA1 D 65-60F	65mm Flanged	3,703	99221377
MAGNA1 D 65-80F	65mm Flanged	4,032	99221378
MAGNA1 D 65-100F	65mm Flanged	4,251	99221379
MAGNA1 D 65-120F	65mm Flanged	4,557	99221380
MAGNA1 D 65-150F	65mm Flanged	5,174	99221381
MAGNA1 D 80-40F	80mm Flanged	3,545	99230392
MAGNA1 D 80-60F	80mm Flanged	3,905	99221414
MAGNA1 D 80-80F	80mm Flanged	4,207	99221415
MAGNA1 D 80-100F	80mm Flanged	4,587	99221416
MAGNA1 D 80-120F	80mm Flanged	5,148	99221417
MAGNA1 D 100-40F	100mm Flanged	4,166	99221448
MAGNA1 D 100-60F	100mm Flanged	4,547	99221449
MAGNA1 D 100-80F	100mm Flanged	4,928	99221450
MAGNA1 D 100-100F	100mm Flanged	5,368	99221451
MAGNA1 D 100-120F	100mm Flanged	6,088	99221452



*/** Due to differences in port to port dimensions, when replacing MAGNA or UPS/D models with an indicated MAGNA1 a spacer kit may be required.

Available as 2 kits, 1 for 40mm MAGNA1 models and 1 for 50mm MAGNA1 models, each includes a suitable spacer, a set of extended bolts, nuts and 3 gaskets.

Spacer Kits MAGNA1 / MAGNA3 type	Pressure	£	Product Code
*40mm	PN 6	57	96281076
**50mm	PN 6	64	96281077

CATEGORY 1 - MAGNA3 VARIABLE SPEED CIRCULATORS

SINGLE HEAD MAGNA3 VARIABLE SPEED CIRCULATORS

MAGNA3

Model	Pump Ports	230-240V 1ph 50Hz	
		£	Product Code
MAGNA3 25-40	1½" BSPM	501	97924244
MAGNA3 25-60	1½" BSPM	595	97924245
MAGNA3 25-80	1½" BSPM	679	97924246
MAGNA3 25-100	1½" BSPM	744	97924247
MAGNA3 25-120	1½" BSPM	837	97924248
MAGNA3 32-40	2" BSPM	616	97924254
MAGNA3 32-60	2" BSPM	721	97924255
MAGNA3 32-80	2" BSPM	752	97924256
MAGNA3 32-100	2" BSPM	817	97924257
MAGNA3 32-40F	32mm Flanged	679	98333834
MAGNA3 32-60F	32mm Flanged	794	98333854
MAGNA3 32-80F	32mm Flanged	836	98333874
MAGNA3 32-100F	32mm Flanged	951	97924258
MAGNA3 32-120 F	32mm Flanged	1,583	97924259
MAGNA3 40-40F*	40mm Flanged	846	97924266
MAGNA3 40-60F*	40mm Flanged	920	97924267
MAGNA3 40-80 F*	40mm Flanged	1,308	97924268
MAGNA3 40-100 F*	40mm Flanged	1,440	97924269
MAGNA3 40-120 F	40mm Flanged	1,649	97924270
MAGNA3 40-150 F	40mm Flanged	1,955	97924271
MAGNA3 40-180 F	40mm Flanged	2,248	97924272
MAGNA3 50-40 F**	50mm Flanged	1,746	97924280
MAGNA3 50-60 F**	50mm Flanged	2,056	97924281
MAGNA3 50-80 F	50mm Flanged	2,263	97924282
MAGNA3 50-100 F	50mm Flanged	2,397	97924283
MAGNA3 50-120 F	50mm Flanged	2,530	97924284
MAGNA3 50-150 F	50mm Flanged	2,914	97924285
MAGNA3 50-180 F	50mm Flanged	3,417	97924286

Model	Pump Ports	230-240V 1ph 50Hz	
		£	Product Code
MAGNA3 65-40 F	65mm Flanged	2,189	97924294
MAGNA3 65-60 F	65mm Flanged	2,500	97924295
MAGNA3 65-80 F	65mm Flanged	2,722	97924296
MAGNA3 65-100 F	65mm Flanged	2,870	97924297
MAGNA3 65-120 F	65mm Flanged	3,077	97924298
MAGNA3 65-150 F	65mm Flanged	3,232	97924299
MAGNA3 80-40 F	80mm Flanged	2,619	97924306
MAGNA3 80-60 F	80mm Flanged	2,885	97924307
MAGNA3 80-80 F	80mm Flanged	3,107	97924308
MAGNA3 80-100 F	80mm Flanged	3,097	97924309
MAGNA3 80-120 F	80mm Flanged	3,477	97924310
MAGNA3 100-40 F	100mm Flanged	3,077	97924311
MAGNA3 100-60 F	100mm Flanged	3,358	97924312
MAGNA3 100-80 F	100mm Flanged	3,328	97924313
MAGNA3 100-100 F	100mm Flanged	3,625	97924314
MAGNA3 100-120 F	100mm Flanged	4,111	97924315



TWIN HEAD MAGNA3 D VARIABLE SPEED CIRCULATORS

MAGNA3 D

Model	Pump Ports	230-240V 1ph 50Hz	
		£	Product Code
MAGNA3 D 32-40	2" BSPM	1,433	97924449
MAGNA3 D 32-60	2" BSPM	1,676	97924450
MAGNA3 D 32-80	2" BSPM	1,749	97924451
MAGNA3 D 32-100	2" BSPM	1,899	97924452
MAGNA3 D 32-40F	32mm Flanged	1,579	98333840
MAGNA3 D 32-60F	32mm Flanged	1,846	98333860
MAGNA3 D 32-80F	32mm Flanged	1,943	98333880
MAGNA3 D 32-100F	32mm Flanged	2,212	97924453
MAGNA3 D 32-120 F	32mm Flanged	3,146	97924454
MAGNA3 D 40-40F*	40mm Flanged	1,968	97924461
MAGNA3 D 40-60F*	40mm Flanged	2,140	97924462
MAGNA3 D 40-80 F*	40mm Flanged	2,776	97924463
MAGNA3 D 40-100 F*	40mm Flanged	3,073	97924464
MAGNA3 D 40-120 F	40mm Flanged	3,694	97924465
MAGNA3 D 40-150 F	40mm Flanged	4,166	97924466
MAGNA3 D 40-180 F	40mm Flanged	4,798	97924467
MAGNA3 D 50-40 F**	50mm Flanged	3,436	97924475
MAGNA3 D 50-60 F**	50mm Flanged	4,049	97924476
MAGNA3 D 50-80 F	50mm Flanged	4,456	97924477
MAGNA3 D 50-100 F	50mm Flanged	4,717	97924478
MAGNA3 D 50-120 F	50mm Flanged	4,980	97924479
MAGNA3 D 50-150 F	50mm Flanged	5,738	97924480
MAGNA3 D 50-180 F	50mm Flanged	6,320	97924481

Model	Pump Ports	230-240V 1ph 50Hz	
		£	Product Code
MAGNA3 D 65-40 F	65mm Flanged	4,049	97924489
MAGNA3 D 65-60 F	65mm Flanged	4,922	97924490
MAGNA3 D 65-80 F	65mm Flanged	5,035	97924491
MAGNA3 D 65-100 F	65mm Flanged	5,650	97924492
MAGNA3 D 65-120 F	65mm Flanged	5,691	97924493
MAGNA3 D 65-150 F	65mm Flanged	6,096	97924494
MAGNA3 D 80-40 F	80mm Flanged	4,253	97924501
MAGNA3 D 80-60 F	80mm Flanged	4,690	97924502
MAGNA3 D 80-80 F	80mm Flanged	5,052	97924503
MAGNA3 D 80-100 F	80mm Flanged	5,818	97924504
MAGNA3 D 80-120 F	80mm Flanged	6,528	97924505
MAGNA3 D 100-40 F	100mm Flanged	5,002	97924506
MAGNA3 D 100-60 F	100mm Flanged	5,463	97924507
MAGNA3 D 100-80 F	100mm Flanged	6,249	97924508
MAGNA3 D 100-100 F	100mm Flanged	7,136	97924509
MAGNA3 D 100-120 F	100mm Flanged	7,723	97924510



*/** Due to differences in port to port dimensions, when replacing MAGNA or UP/D models with an indicated MAGNA3 a spacer kit may be required.

Available as 2 kits, 1 for 40mm MAGNA3 models and 1 for 50mm MAGNA3 models, each includes a suitable spacer, a set of extended bolts, nuts and 3 gaskets.Ⓜ

Spacer Kits MAGNA1 / MAGNA3 type	Pressure	£	Product Code
*40mm	PN 6	57	96281076
**50mm	PN 6	64	96281077

CATEGORY 1 - MAGNA1 N and MAGNA3 N VARIABLE SPEED CIRCULATORS

SINGLE HEAD MAGNA1 N VARIABLE SPEED CIRCULATORS - WRAS Approved

MAGNA1 N

Model	Pump Ports	230-240V 1ph 50Hz	
		£	Product Code
MAGNA1 25-40N	1½" BSPM	710	99221223
MAGNA1 25-60N	1½" BSPM	843	99221224
MAGNA1 25-80N	1½" BSPM	961	99221225
MAGNA1 25-100N	1½" BSPM	1,062	99221226
MAGNA1 25-120N	1½" BSPM	1,194	99221227
MAGNA1 32-40N	2" BSPM	872	99221253
MAGNA1 32-60N	2" BSPM	1,020	99221254
MAGNA1 32-80N	2" BSPM	1,064	99221255
MAGNA1 32-100N	2" BSPM	1,165	99221256
MAGNA1 32-40FN	32mm Flanged	961	99221265
MAGNA1 32-60FN	32mm Flanged	1,123	99221271
MAGNA1 32-80FN	32mm Flanged	1,183	99221277
MAGNA1 32-100FN	32mm Flanged	1,357	99221257
MAGNA1 32-120FN	32mm Flanged	1,796	99221289
MAGNA1 40-40FN	40mm Flanged	1,197	99221299
MAGNA1 40-60FN	40mm Flanged	1,312	99221300
MAGNA1 40-80FN	40mm Flanged	1,796	99221323
MAGNA1 40-100FN	40mm Flanged	1,981	99221324
MAGNA1 40-120FN	40mm Flanged	2,199	99221325
MAGNA1 40-150FN	40mm Flanged	2,686	99221326
MAGNA1 40-180FN	40mm Flanged	3,089	99221327

Model	Pump Ports	230-240V 1ph 50Hz	
		£	Product Code
MAGNA1 50-60FN	50mm Flanged	2,334	99221358
MAGNA1 50-80FN	50mm Flanged	2,569	99221359
MAGNA1 50-100FN	50mm Flanged	2,720	99221360
MAGNA1 50-120FN	50mm Flanged	2,871	99221361
MAGNA1 50-150FN	50mm Flanged	3,307	99221362
MAGNA1 50-180FN	50mm Flanged	3,878	99221363
MAGNA1 65-40FN	65mm Flanged	2,485	99221394
MAGNA1 65-60FN	65mm Flanged	2,837	99221395
MAGNA1 65-80FN	65mm Flanged	3,089	99221396
MAGNA1 65-100FN	65mm Flanged	3,257	99221397
MAGNA1 65-120FN	65mm Flanged	3,492	99221398
MAGNA1 65-150FN	65mm Flanged	4,029	99221399



SINGLE HEAD MAGNA3 N VARIABLE SPEED CIRCULATORS - WRAS Approved

MAGNA3 N

Model	Pump Ports	230-240V 1ph 50Hz	
		£	Product Code
MAGNA3 25-40N	1½" BSPM	777	97924336
MAGNA3 25-60N	1½" BSPM	951	97924337
MAGNA3 25-80N	1½" BSPM	1,052	97924338
MAGNA3 25-100N	1½" BSPM	1,154	97924339
MAGNA3 25-120N	1½" BSPM	1,298	97924340
MAGNA3 32-40N	2" BSPM	955	97924341
MAGNA3 32-60N	2" BSPM	1,117	97924342
MAGNA3 32-80N	2" BSPM	1,166	97924343
MAGNA3 32-100N	2" BSPM	1,266	97924344
MAGNA3 32-40FN	32mm Flanged	1,052	98333836
MAGNA3 32-60FN	32mm Flanged	1,230	98333856
MAGNA3 32-80FN	32mm Flanged	1,295	98333876
MAGNA3 32-100FN	32mm Flanged	1,474	97924345
MAGNA3 32-120FN	32mm Flanged	2,476	97924346
MAGNA3 40-40FN	40mm Flanged	1,311	97924347
MAGNA3 40-60FN	40mm Flanged	1,518	97924348
MAGNA3 40-80FN	40mm Flanged	2,027	97924349
MAGNA3 40-100FN	40mm Flanged	2,400	97924350
MAGNA3 40-120FN	40mm Flanged	2,981	97924351
MAGNA3 40-150FN	40mm Flanged	3,251	97924352
MAGNA3 40-180FN	40mm Flanged	3,741	97924353

Model	Pump Ports	230-240V 1ph 50Hz	
		£	Product Code
MAGNA3 50-40FN	50mm Flanged	2,706	97924354
MAGNA3 50-60FN	50mm Flanged	3,187	97924355
MAGNA3 50-80FN	50mm Flanged	3,508	97924356
MAGNA3 50-100FN	50mm Flanged	3,715	97924357
MAGNA3 50-120FN	50mm Flanged	3,921	97924358
MAGNA3 50-150FN	50mm Flanged	4,517	97924359
MAGNA3 50-180FN	50mm Flanged	5,297	97924360
MAGNA3 65-40FN	65mm Flanged	3,394	97924361
MAGNA3 65-60FN	65mm Flanged	3,875	97924362
MAGNA3 65-80FN	65mm Flanged	4,219	97924363
MAGNA3 65-100FN	65mm Flanged	4,449	97924364
MAGNA3 65-120FN	65mm Flanged	4,770	97924365
MAGNA3 65-150FN	65mm Flanged	5,032	97924366



Stainless steel pumps for HWS circulation.



CATEGORY 1 - TP SINGLE STAGE SINGLE HEAD IN-LINE PUMPS FOR HOT WATER SERVICE

STAINLESS STEEL PUMPS COMPLETE WITH 2 POLES ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Design series	Optional baseplate	230V 1ph 50Hz		380-415V 3ph 50Hz	
						£	Product Code	£	Product Code
						A O I BQQE		A O I BQQE	
TP 25-50/2 R S**	0.12	10	1"½ BSPM	100	N/A	1049	98346632	979	98346612
TP 25-80/2 R S**	0.18	10	1"½ BSPM	100	N/A	1169	98282100	1,099	98346639
TP 32-50/2 R S**	0.12	10	2" BSPM	100	N/A	1312	98282162	1,239	98346615
TP 32-80/2 R S**	0.25	10	2" BSPM	100	N/A	1476	98346642	1,319	98346623
TP 32-90/2 R S**	0.37	10	2" BSPM	100	N/A	1588	98282352	1,431	98346629
TP 40-50/2 S	0.12	6/10	40mm Flanged	100	N/A	1,577	98282357	1,504	98346618
TP 40-80/2 S	0.25	6/10	40mm Flanged	100	N/A	1,874	98346645	1,718	98346626

BRONZE PUMPS COMPLETE WITH 2 POLES ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Design series	Optional baseplate	230V 1ph 50Hz		380-415V 3ph 50Hz	
						£	Product Code	£	Product Code
						A F Z BQQE		A F Z BQQE	
TP 32-60/2 B	0.25	6/10	32mm Flanged	200	B1	1,614	98957950	1,465	98436290
TP 32-120/2 B	0.37	6/10	32mm Flanged	200	B1	1,983	98957952	1,834	98154622
TP 32-150/2 B	0.37	6/10	32mm Flanged	200	B1	1,983	98958115	1,834	98283542
TP 32-180/2 B	0.55	6/10	32mm Flanged	200	B1	2,215	98958117	2,065	98958118
TP 32-230/2 B	0.75	6/10	32mm Flanged	200	B1	2,462	98958119	2,300	98938754
TP 40-60/2 B	0.25	6/10	40mm Flanged	200	B1	1,819	98957961	1,669	98178430
TP 40-120/2 B	0.37	6/10	40mm Flanged	200	B1	2,225	98957964	2,075	97822677
TP 40-180/2 B	0.55	6/10	40mm Flanged	200	B1	2,599	98957966	2,449	97846836
TP 40-190/2 B	0.75	16	40mm Flanged	200	B1	2,688	98958126	2,526	98349467
TP 40-230/2 B	1.1	16	40mm Flanged	200	B1	2,765	98958127	2,604	98391065
TP 40-270/2 B	1.5	16	40mm Flanged	200	B1	2,995	98958129	2,833	98958130
TP 50-60/2 B	0.37	6/10	50mm Flanged	200	B1	2,230	98957980	2,080	97958920
TP 50-120/2 B	0.75	6/10	50mm Flanged	200	B1	2,698	98957983	2,536	97955265
TP 50-180/2 B	0.75	6/10	50mm Flanged	200	B1	3,012	98610035	2,850	97959461
TP 65-60/2 B	0.55	6/10	65mm Flanged	200	B1	2,756	98958001	2,539	98165472
TP 65-120/2 B	1.1	6/10	65mm Flanged	200	B1	3,339	98958004	3,177	98400979
TP 65-180/2 B	1.5	6/10	65mm Flanged	200	B1	3,610	98589719	3,448	98165513
TP 80-120/2 B	1.5	6	80mm Flanged	200	B2	4,156	98958078	3,994	98958079
TP 100-120/2 B	2.2	10	100mm Flanged	200	B2	-	-	5,234	98334678

BRONZE PUMPS COMPLETE WITH 4 POLES ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Design series	Optional baseplate	230V 1ph 50Hz		380-415V 3ph 50Hz	
						£	Product Code	£	Product Code
						A F Z BQQE		A F Z BQQE	
TP 32-30/4 B	0.12	6/10	32mm Flanged	200	B1	1,445	98957946	1,375	97952248
TP 32-40/4 B	0.25	6/10	32mm Flanged	200	B1	1,816	98958136	1,667	97909716
TP 32-60/4 B	0.25	6/10	32mm Flanged	200	B1	1,856	98958138	1,707	98958183
TP 40-30/4 B	0.12	6/10	40mm Flanged	200	B1	1,704	98957956	1,634	98122047
TP 40-60/4 B	0.25	6/10	40mm Flanged	200	B1	2,155	98957958	2,006	97968358
TP 40-90/4 B	0.25	16	40mm Flanged	200	B1	2,158	98958142	2,008	98505215
TP 50-30/4 B	0.25	6/10	50mm Flanged	200	B1	2,183	98957970	2,033	98957971
TP 50-60/4 B	0.37	6/10	50mm Flanged	200	B1	2,643	98957975	2,494	97896631
TP 65-30/4 B	0.25	6/10	65mm Flanged	200	B2	2,686	98957991	2,536	98957993
TP 65-60/4 B	0.55	6/10	65mm Flanged	200	B2	3,172	98957999	3,022	97897722
TP 80-30/4 B	0.37	6	80mm Flanged	200	B2	3,541	98958073	3,391	98958075
TP 80-60/4 B	0.75	6	80mm Flanged	200	B2	4,022	98958076	3,860	98585195
TP 100-30/4 B	0.55	6	100mm Flanged	200	B2	4,690	98958080	4,534	98958082

PUMPS

Standard fixed speed TP pump casings are Stainless steel (S) or Bronze (B) for circulating water in HWS Secondary systems.

The appropriate pipe work Unions or Flanges are supplied separately to the

pump units and codes and prices for these accessories can be found on page 31.

TP pumps marked ** are suitable for use with 1" or 1" 1/4 brass unions -- details of which are on page 4.

Custom Built pump options; different seals, elastomers, 60Hz motors etc can be configured and priced on request by your Sales Office.

ELECTRIC MOTOR

220-230/240V 1ph 50Hz or 240V 1ph 50Hz

220-240D/380-415V V/3ph/50Hz

IP55 Class F insulation

3ph motors 0.75kW and above are IE3 Efficiency.

BASEPLATES

When applicable, baseplates for TP(E)(D) are available as an accessory. See page 31 for codes and prices.



CATEGORY 1 - TPE3 SINGLE STAGE IN LINE PUMPS FOR HOT WATER SERVICE

STAINLESS STEEL SINGLE HEAD PUMPS COMPLETE WITH VARIABLE SPEED HIGH EFFICIENCY MOTOR AND BUILT-IN DP+T SENSOR

Model	P2 kW	PN bar	Pipework Connection	230V 1ph 50Hz		380-500V 3ph 50Hz	
				£	Product Code	£	Product Code
				A F I BQQE		A F I BQQE	
TPE3 32-80-S	0.25	6/10	32mm Flanged	3,331	98416353	3,598	98416384
TPE3 32-120-S	0.25	6/10	32mm Flanged	3,598	98416354	3,865	98416385
TPE3 32-150-S	0.37	6/10	32mm Flanged	3,822	98416355	4,069	98416386
TPE3 32-180-S	0.55	6/10	32mm Flanged	4,054	98416356	4,285	98416387
TPE3 32-200-S	0.75	6/10	32mm Flanged	4,227	98416357	4,439	98416388
TPE3 40-80-S	0.25	6/10	40mm Flanged	3,802	98416504	4,069	98416542
TPE3 40-120-S	0.37	6/10	40mm Flanged	4,038	98416505	4,285	98416543
TPE3 40-150-S	0.55	6/10	40mm Flanged	4,278	98416506	4,509	98416544
TPE3 40-180-S	0.75	6/10	40mm Flanged	4,537	98416507	4,748	98416545
TPE3 40-200-S	1.1	6/10	40mm Flanged	4,725	98416508	4,924	98416546
TPE3 40-240-S	1.5	6/10	40mm Flanged	5,070	98416509	5,256	98416547
TPE3 50-60-S	0.37	6/10	50mm Flanged	3,966	98416672	4,212	98416717
TPE3 50-80-S	0.37	6/10	50mm Flanged	4,192	98416673	4,438	98416718
TPE3 50-120-S	0.55	6/10	50mm Flanged	4,444	98416674	4,675	98416719
TPE3 50-150-S	0.75	6/10	50mm Flanged	4,713	98416675	4,924	98416720
TPE3 50-180-S	1.1	6/10	50mm Flanged	4,987	98416676	5,186	98416721
TPE3 50-200-S	1.5	6/10	50mm Flanged	5,274	98416677	5,460	98416722
TPE3 50-240-S	2.2	6/10	50mm Flanged	-	-	5,747	98416723
TPE3 65-60-S	0.37	6/10	65mm Flanged	4,428	98416833	4,675	98416873
TPE3 65-80-S	0.55	6/10	65mm Flanged	4,693	98416834	4,924	98416874
TPE3 65-120-S	0.75	6/10	65mm Flanged	4,974	98416835	5,186	98416875
TPE3 65-150-S	1.1	6/10	65mm Flanged	5,261	98416836	5,460	98416876
TPE3 65-180-S	1.5	6/10	65mm Flanged	5,561	98416837	5,747	98416877
TPE3 65-200-S	2.2	6/10	65mm Flanged	-	-	6,046	98416878

TPE3 PUMPS

All above TPE3 have stainless steel casing for circulating water in HWS Secondary systems.

TPE3 pumps have a built-in differential pressure and temperature transducer and are pre-programmed for close loop control.

These units are NOT SUITABLE for systems where power on/off control is a function of the plant room control. Digital stop/start is acceptable.

ELECTRIC MOTOR

220-240V / 1ph / 50Hz with IE5 efficiency

380-500V / 3ph / 50Hz with IE5 efficiency

IP55 Class F insulation

IMPORTANT:

A Grundfos GO based communication device will be required in order to commission the "E" product. See Page 40 for details.

This device can be used to commission and monitor multiple pumps on multiple sites

BASEPLATES

Baseplates are not available for TPE3 single head pumps.



CATEGORY 1 - TP SINGLE STAGE SINGLE HEAD IN LINE PUMPS

CAST IRON PUMPS COMPLETE WITH 4 POLES ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Design series	Optional baseplate	230V 1ph 50Hz		380-415V 3ph 50Hz	
						£	Product Code	£	Product Code
						A F A BQQE		A F A BQQE	
TP 32-30/4	0.12	6/10	32mm Flanged	200	B1	820	98957942	750	98957943
TP 32-40/4	0.25	6/10	32mm Flanged	200	B1	1,056	98958135	907	98958179
TP 32-60/4	0.25	6/10	32mm Flanged	200	B1	1,076	98958137	927	98958182
TP 32-80/4	0.25	16	32mm Flanged	300	B3	1,468	96384199	1,318	96086739
TP 32-100/4	0.37	16	32mm Flanged	300	B3	1,493	96384205	1,343	96086740
TP 32-120/4	0.55	16	32mm Flanged	300	B3	1,537	96384211	1,388	96086741
TP 40-30/4	0.12	6/10	40mm Flanged	200	B1	954	98957953	884	98896273
TP 40-60/4	0.25	6/10	40mm Flanged	200	B1	1,233	98857066	1,084	98119685
TP 40-90/4	0.25	16	40mm Flanged	200	B1	1,233	98958141	1,084	98462889
TP 40-100/4	0.55	16	40mm Flanged	300	B3	1,659	96384229	1,510	96086883
TP 40-110/4	0.75	16	40mm Flanged	300	B3	1,707	98760171	1,545	98743357
TP 40-140/4	1.1	16	40mm Flanged	300	B3	1,953	98760159	1,791	98743317
TP 50-30/4	0.25	6/10	50mm Flanged	200	B1	1,248	98957967	1,099	98794577
TP 50-60/4	0.37	6/10	50mm Flanged	200	B1	1,487	98957972	1,338	98957974
TP 50-90/4	0.55	16	50mm Flanged	300	B3	1,772	96384247	1,622	96087117
TP 50-80/4	0.75	16	50mm Flanged	300	B3	1,961	98760147	1,799	98742972
TP 50-120/4	1.1	16	50mm Flanged	300	B3	1,993	98760135	1,831	98742942
TP 50-140/4	1.5	16	50mm Flanged	300	B3	2,023	98760123	1,861	98742912
TP 50-190/4	2.2	16	50mm Flanged	300	B3	-	-	1,931	96087289
TP 50-230/4	3	16	50mm Flanged	300	B3	-	-	2,111	96087290
TP 65-30/4	0.25	6/10	65mm Flanged	200	B2	1,510	98957986	1,360	98436173
TP 65-60/4	0.55	6/10	65mm Flanged	200	B2	1,764	98957994	1,615	98923198
TP 65-90/4	0.75	16	65mm Flanged	300	B3	1,988	96384283	1,826	96087441
TP 65-110/4	1.1	16	65mm Flanged	300	B3	2,058	96384289	1,896	96087442
TP 65-130/4	1.5	16	65mm Flanged	300	B3	2,165	96384295	2,003	96087443
TP 65-150/4	2.2	16	65mm Flanged	300	B3	-	-	2,170	96087627
TP 65-170/4	3	16	65mm Flanged	300	B3	-	-	2,265	96087628
TP 65-240/4	4	16	65mm Flanged	300	B3	-	-	2,601	96087629
TP 80-30/4	0.37	6	80mm Flanged	200	B2	1,956	98958007	1,806	98958011
TP 80-60/4	0.75	6	80mm Flanged	200	B2	2,213	98958022	2,051	98958026
TP 80-70/4	1.1	16	80mm Flanged	300	B3	2,093	96384301	1,931	96108601
TP 80-90/4	1.5	16	80mm Flanged	300	B3	2,200	96384307	2,038	96108602
TP 80-110/4	2.2	16	80mm Flanged	300	B3	-	-	2,213	96108849
TP 80-150/4	3	16	80mm Flanged	300	B3	-	-	2,320	96108850
TP 80-170/4	4	16	80mm Flanged	300	B3	-	-	2,915	96108851
TP 80-240/4	5.5	16	80mm Flanged	300	B4	-	-	3,339	96108852
TP 80-270/4	7.5	16	80mm Flanged	300	B4	-	-	3,601	96108853
TP 80-340/4	11	16	80mm Flanged	300	Included	-	-	4,500	96108854
TP 100-30/4	0.55	6	100mm Flanged	200	B2	2,561	98958042	2,405	98873387
TP 100-65/4	1.1	16	100mm Flanged	300	B4	2,718	99476455	2,556	99476439
TP 100-70/4	1.5	16	100mm Flanged	300	B4	2,781	96384313	2,619	96109053
TP 100-90/4	2.2	16	100mm Flanged	300	B4	-	-	2,841	96109303
TP 100-110/4	3	16	100mm Flanged	300	B4	-	-	3,025	96109304
TP 100-130/4	4	16	100mm Flanged	300	B4	-	-	3,394	96109305
TP 100-170/4	5.5	16	100mm Flanged	300	B4	-	-	3,845	96109306
TP 100-200/4	7.5	16	100mm Flanged	300	B4	-	-	4,271	96109307
TP 100-250/4	11	16	100mm Flanged	300	Included	-	-	5,272	96109308
TP 100-330/4	15	16	100mm Flanged	300	Included	-	-	5,970	96109309
TP 100-370/4	18.5	16	100mm Flanged	300	Included	-	-	6,979	96109310
TP 100-410/4	22	16	100mm Flanged	300	Included	-	-	7,794	96109311
TP 125-60/4	2.2	16	125mm Flanged	300	N/A	-	-	2,873	98908162
TP 125-80/4	3	16	125mm Flanged	300	N/A	-	-	3,182	98908136
TP 125-95/4	4	16	125mm Flanged	300	N/A	-	-	3,645	98915576
TP 125-110/4	4	16	125mm Flanged	300	B4	-	-	3,688	99366098
TP 125-130/4	5.5	16	125mm Flanged	300	B4	-	-	3,959	96109540
TP 125-160/4	7.5	16	125mm Flanged	300	B4	-	-	5,243	96109541
TP 125-190/4	11	16	125mm Flanged	300	Included	-	-	5,659	98743727
TP 125-230/4	15	16	125mm Flanged	300	Included	-	-	6,242	98743685
TP 125-300/4	18.5	16	125mm Flanged	300	Included	-	-	7,213	98742584
TP 125-340/4	22	16	125mm Flanged	300	Included	-	-	7,988	98742560
TP 125-400/4	30	16	125mm Flanged	300	Included	-	-	8,766	98742536

CATEGORY 1 - TP SINGLE STAGE SINGLE HEAD IN LINE PUMPS

CAST IRON PUMPS COMPLETE WITH 4 POLES ELECTRIC MOTOR

						380-415V 3ph 50Hz	
						£	Product Code
Model	P2 kW	PN bar	Pipework Connection	Design series	Optional baseplate	A F A BQQE	
TP 150-70/4	5.5	16	150mm Flanged	300	N/A	4,420	98908308
TP 150-110/4	7.5	16	150mm Flanged	300	N/A	5,743	98908287
TP 150-155/4	11	16	150mm Flanged	300	N/A	6,389	98908267
TP 150-170/4	15	16	150mm Flanged	300	N/A	6,885	98908236
TP 150-130/4	7.5	16	150mm Flanged	300	B4	5,823	96109869
TP 150-160/4	11	16	150mm Flanged	300	Included	6,436	96109870
TP 150-200/4	15	16	150mm Flanged	300	Included	7,019	96109871
TP 150-220/4	18.5	16	150mm Flanged	300	Included	7,834	96109872
TP 150-260/4	18.5	16	150mm Flanged	300	N/A	8,380	96306153
TP 150-250/4	22	16	150mm Flanged	300	Included	8,454	96109873
TP 150-280/4	22	16	150mm Flanged	300	N/A	8,880	96306152
TP 150-340/4	30	16	150mm Flanged	300	N/A	10,054	96306151
TP 150-390/4	37	16	150mm Flanged	300	N/A	11,731	96306150
TP 150-450/4	45	16	150mm Flanged	300	N/A	13,844	97927149
TP 150-520/4	55	16	150mm Flanged	300	N/A	14,918	97927148
TP 150-660/4	75	16	150mm Flanged	300	N/A	17,173	97927147
TP 200-50/4	4	16	200mm Flanged	300	N/A	4,939	97927154
TP 200-70/4	5.5	16	200mm Flanged	300	N/A	5,459	97927153
TP 200-90/4	7.5	16	200mm Flanged	300	N/A	6,703	97927152
TP 200-130/4	11	16	200mm Flanged	300	N/A	7,876	97927151
TP 200-150/4	15	16	200mm Flanged	300	N/A	8,183	97927150
TP 200-160/4	15	16	200mm Flanged	300	N/A	8,183	97927159
TP 200-190/4	18.5	16	200mm Flanged	300	N/A	8,372	97927158
TP 200-200/4	22	16	200mm Flanged	300	N/A	8,933	97927157
TP 200-240/4	30	16	200mm Flanged	300	N/A	11,078	97927156
TP 200-290/4	37	16	200mm Flanged	300	N/A	13,343	97927155
TP 200-330/4	37	16	200mm Flanged	300	N/A	13,742	96306170
TP 200-270/4	45	16	200mm Flanged	300	N/A	14,076	96306158
TP 200-360/4	45	16	200mm Flanged	300	N/A	14,579	96306169
TP 200-320/4	55	16	200mm Flanged	300	N/A	15,416	96306157
TP 200-400/4	55	16	200mm Flanged	300	N/A	15,752	96306168
TP 200-410/4	75	16	200mm Flanged	300	N/A	17,093	96306156
TP 200-470/4	75	16	200mm Flanged	300	N/A	17,763	96306167
TP 200-530/4	90	16	200mm Flanged	300	N/A	20,444	96306166
TP 200-590/4	110	16	200mm Flanged	300	N/A	22,789	96306165
TP 200-660/4	132	16	200mm Flanged	300	N/A	29,088	96306164
						A F O BQQE	
TP 300-190/4	30	16	300mm Flanged	300	N/A	22,070	99087574
TP 300-220/4	37	16	300mm Flanged	300	N/A	22,348	99087573
TP 300-250/4	45	16	300mm Flanged	300	N/A	24,555	99087572
TP 300-290/4	55	16	300mm Flanged	300	N/A	26,663	99087571
TP 300-390/4	75	16	300mm Flanged	300	N/A	30,994	99087570
TP 300-420/4	90	16	300mm Flanged	300	N/A	34,096	99087569
TP 300-430/4	110	16	300mm Flanged	300	N/A	36,303	99087568
TP 300-500/4	132	16	300mm Flanged	300	N/A	37,938	99087567
TP 300-550/4	160	16	300mm Flanged	300	N/A	40,306	99087566
TP 350-280/4	75	16	350mm Flanged	300	N/A	29,121	99087582
TP 350-320/4	90	16	350mm Flanged	300	N/A	34,419	99087581
TP 350-360/4	110	16	350mm Flanged	300	N/A	36,836	99087580
TP 350-420/4	132	16	350mm Flanged	300	N/A	38,395	99087579
TP 350-480/4	160	16	350mm Flanged	300	N/A	40,779	99087578
TP 350-530/4	200	16	350mm Flanged	300	N/A	49,420	99087577
TP 350-650/4	250	16	350mm Flanged	300	N/A	60,804	99087576
TP 350-780/4	315	16	350mm Flanged	300	N/A	70,874	99087575

CAST IRON PUMPS COMPLETE WITH 6 POLES ELECTRIC MOTOR

						380-415V 3ph 50Hz	
						A F A BQQE	
Model	P2 kW	PN bar	Pipework Connection	Design series	Optional baseplate		
TP 125-60/6	1.5	16	125mm Flanged	300	B4	3,299	96109647
TP 125-70/6	2.2	16	125mm Flanged	300	B4	3,493	96109648
TP 125-80/6	3	16	125mm Flanged	300	B4	4,076	98743793
TP 125-100/6	4	16	125mm Flanged	300	B4	4,465	98743769
TP 125-130/6	5.5	16	125mm Flanged	300	B4	5,048	98742650
TP 125-160/6	7.5	16	125mm Flanged	300	B4	6,601	98742626
TP 150-60/6	2.2	16	150mm Flanged	300	B4	3,845	96109937
TP 150-70/6	3	16	150mm Flanged	300	B4	4,425	96109994
TP 150-90/6	4	16	150mm Flanged	300	B4	4,854	96109995
TP 150-110/6	5.5	16	150mm Flanged	300	B4	5,434	96109996



CATEGORY 1 - TP SINGLE STAGE SINGLE HEAD IN LINE PUMPS

CAST IRON PUMPS COMPLETE WITH 2 POLES ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Design series	Optional baseplate	230V 1ph 50Hz		380-415V 3ph 50Hz	
						£	Product Code	£	Product Code
						A O A BQQE		A O A BQQE	
TP 25-50/2 R **	0.12	10	1"½ BSPM	100	N/A	593	98346587	523	98281476
TP 25-80/2 R **	0.18	10	1"½ BSPM	100	N/A	655	98346596	586	98282096
TP 25-90/2 R **	0.37	10	1"½ BSPM	100	N/A	792	98346604	643	98282133
TP 32-50/2 R **	0.12	10	2" BSPM	100	N/A	731	98346590	658	98282120
TP 32-80/2 R **	0.25	10	2" BSPM	100	N/A	856	98346599	700	98282166
TP 32-90/2 R **	0.37	10	2" BSPM	100	N/A	913	98299122	757	98346582
TP 32-60/2	0.25	6/10	32mm Flanged	200	B1	947	98957947	797	98946132
TP 32-120/2	0.25	6/10	32mm Flanged	200	B1	1,144	98602057	994	98464186
TP 32-150/2	0.37	6/10	32mm Flanged	200	B1	1,144	98958114	994	97897469
TP 32-180/2	0.55	6/10	32mm Flanged	200	B1	1,266	98958116	1,116	98592079
TP 32-230/2	0.75	6/10	32mm Flanged	200	B1	1,398	98841196	1,236	98278909
TP 32-200/2	1.1	16	32mm Flanged	300	B3	1,532	96384217	1,370	96086673
TP 32-250/2	1.5	16	32mm Flanged	300	B3	1,689	96384223	1,527	96086674
TP 32-320/2	2.2	16	32mm Flanged	300	B3	-	-	1,652	96086777
TP 32-380/2	3	16	32mm Flanged	300	B3	-	-	1,792	96086778
TP 32-460/2	4	16	32mm Flanged	300	B3	-	-	1,844	96086779
TP 32-580/2	5.5	16	32mm Flanged	300	B3	-	-	2,282	96086780
TP 40-50/2	0.12	6/10	40mm Flanged	100	N/A	869	98346593	796	98282356
TP 40-80/2	0.25	6/10	40mm Flanged	100	N/A	1,062	98282358	906	98346578
TP 40-90/2	0.37	6/10	40mm Flanged	100	N/A	1,119	98346609	963	98282359
TP 40-60/2	0.25	6/10	40mm Flanged	200	B1	1,059	98957960	909	98122409
TP 40-120/2	0.37	6/10	40mm Flanged	200	B1	1,271	98957962	1,121	97851334
TP 40-180/2	0.55	6/10	40mm Flanged	200	B1	1,465	98957965	1,315	98133671
TP 40-190/2	0.75	16	40mm Flanged	200	B1	1,517	98958125	1,355	98294231
TP 40-230/2	1.1	16	40mm Flanged	200	B1	1,557	98617267	1,395	98066916
TP 40-270/2	1.5	16	40mm Flanged	200	B1	1,677	98958128	1,515	98133646
TP 40-240/2	2.2	16	40mm Flanged	300	B3	-	-	1,757	96086923
TP 40-300/2	3	16	40mm Flanged	300	B3	-	-	1,861	96086924
TP 40-360/2	4	16	40mm Flanged	300	B3	-	-	2,108	96086925
TP 40-430/2	5.5	16	40mm Flanged	300	B3	-	-	2,741	98743275
TP 40-530/2	7.5	16	40mm Flanged	300	B3	-	-	2,915	98743233
TP 40-630/2	11	16	40mm Flanged	300	Included	-	-	4,191	98743200
TP 50-60/2	0.37	6/10	50mm Flanged	200	B1	1,273	98957977	1,124	98182027
TP 50-120/2	0.75	6/10	50mm Flanged	200	B1	1,522	98810439	1,360	98279255
TP 50-180/2	0.75	6/10	50mm Flanged	200	B1	1,687	98179119	1,525	98133648
TP 50-160/2	1.1	16	50mm Flanged	300	B3	1,719	96384271	1,557	96086995
TP 50-190/2	1.5	16	50mm Flanged	300	B3	1,849	96384277	1,687	96086996
TP 50-240/2	2.2	16	50mm Flanged	300	B3	-	-	1,764	96087195
TP 50-290/2	3	16	50mm Flanged	300	B3	-	-	1,879	96087196
TP 50-360/2	4	16	50mm Flanged	300	B3	-	-	2,160	96087197
TP 50-430/2	5.5	16	50mm Flanged	300	B3	-	-	2,861	96087198
TP 50-420/2	7.5	16	50mm Flanged	300	B3	-	-	2,985	98742870
TP 50-540/2	11	16	50mm Flanged	300	Included	-	-	4,263	98742818
TP 50-630/2	15	16	50mm Flanged	300	Included	-	-	4,510	98742776
TP 50-710/2	15	16	50mm Flanged	300	Included	-	-	4,510	96087201
TP 50-830/2	18.5	16	50mm Flanged	300	Included	-	-	5,599	96087202
TP 50-900/2	22	16	50mm Flanged	300	Included	-	-	6,406	96087203
TP 65-60/2	0.55	6/10	65mm Flanged	200	B1	1,580	98830723	1,363	98509608
TP 65-120/2	1.1	6/10	65mm Flanged	200	B1	1,856	98830721	1,694	98585759
TP 65-180/2	1.5	6/10	65mm Flanged	200	B1	1,998	98929072	1,836	98420371
TP 65-170/2	2.2	16	65mm Flanged	300	B3	-	-	1,772	98742433
TP 65-210/2	3	16	65mm Flanged	300	B3	-	-	1,896	98742391
TP 65-250/2	4	16	65mm Flanged	300	B3	-	-	2,170	98742352
TP 65-340/2	5.5	16	65mm Flanged	300	B3	-	-	2,915	96087524
TP 65-410/2	7.5	16	65mm Flanged	300	B3	-	-	3,057	96087525
TP 65-460/2	11	16	65mm Flanged	300	Included	-	-	4,336	96087526
TP 65-550/2	15	16	65mm Flanged	300	Included	-	-	5,073	96087527
TP 65-660/2	18.5	16	65mm Flanged	300	Included	-	-	5,985	96087528
TP 65-720/2	22	16	65mm Flanged	300	Included	-	-	6,663	96087529
TP 65-930/2	30	16	65mm Flanged	300	Included	-	-	7,722	96087530



CATEGORY 1 - TP SINGLE STAGE SINGLE HEAD IN LINE PUMPS

CAST IRON PUMPS COMPLETE WITH 2 POLES ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Design series	Optional baseplate	230V 1ph 50Hz		380-415V 3ph 50Hz	
						£	Product Code	£	Product Code
TP 80-120/2	1.5	6	80mm Flanged	200	B2	AI F A BQQE		AI F A BQQE	
						2,282	98958035	2,120	98843904
						A F A BQQE		A F A BQQE	
TP 80-140/2	2.2	16	80mm Flanged	300	B3	-	-	1,861	96108717
TP 80-180/2	3	16	80mm Flanged	300	B3	-	-	2,038	96108718
TP 80-210/2	4	16	80mm Flanged	300	B3	-	-	2,287	96108719
TP 80-240/2	5.5	16	80mm Flanged	300	B3	-	-	2,414	96108720
TP 80-250/2	7.5	16	80mm Flanged	300	B3	-	-	3,127	96108721
TP 80-330/2	11	16	80mm Flanged	300	Included	-	-	4,440	96108722
TP 80-400/2	15	16	80mm Flanged	300	Included	-	-	4,453	96108723
TP 80-520/2	18.5	16	80mm Flanged	300	Included	-	-	5,542	96108724
TP 80-570/2	22	16	80mm Flanged	300	Included	-	-	6,900	96108725
TP 80-700/2	30	16	80mm Flanged	300	Included	-	-	7,829	96108726
						AI F A BQQE		AI F A BQQE	
TP 100-120/2	2.2	6	100mm Flanged	200	B2	-	-	2,769	98958092
						A F A BQQE		A F A BQQE	
TP 100-160/2	4	16	100mm Flanged	300	B3	-	-	2,168	96109189
TP 100-200/2	5.5	16	100mm Flanged	300	B3	-	-	2,728	96109190
TP 100-240/2	7.5	16	100mm Flanged	300	B3	-	-	2,841	96109191
TP 100-250/2	11	16	100mm Flanged	300	Included	-	-	4,580	96109192
TP 100-310/2	15	16	100mm Flanged	300	Included	-	-	5,143	96109193
TP 100-360/2	18.5	16	100mm Flanged	300	Included	-	-	6,197	96109194
TP 100-390/2	22	16	100mm Flanged	300	Included	-	-	7,039	96109195
TP 100-480/2	30	16	100mm Flanged	300	Included	-	-	7,953	96109196
						-	-	6,289	99128261
TP 125-310/2	22	16	125mm Flanged	300	Included	-	-	7,625	99128258
TP 125-360/2	30	16	125mm Flanged	300	Included	-	-		

PUMPS

High % Glycol pumps may need an oversized motor and will need configuration by your Sales Office.

Custom Built pump options: different seals, elastomers, voltage, 60Hz motors or WRAS approved models (when available) can be configured by your Sales Office.

Some models are available in PN25. Contact the Sales Office for details.

Pumps marked ** are suitable for use with 1" or 1" 1/4 brass unions – details of which are on page 4.

ELECTRIC MOTOR

1ph: 220-230/240V/50Hz or 240V/50Hz

3ph up to and including 1.50kW: 220-240D/380-415V/50Hz

3ph from 2.2kW and above: 380-415D/50Hz

IP55 Class F insulation

Motors 0.75kW and above are IE3 Efficiency.

BASEPLATES

When applicable, baseplates for TP(E)(D) are available as an accessory. See page 31 for codes and prices.



CATEGORY 1 - TPD SINGLE STAGE TWIN HEAD IN LINE PUMPS

CAST IRON PUMPS COMPLETE WITH 4 POLES ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Design series	Optional baseplate	230V 1ph 50Hz		380-415V 3ph 50Hz	
						£	Product Code	£	Product Code
						A F A BQQE		A F A BQQE	
TPD 32-30/4	0.12	6/10	32mm Flanged	200	N/A	1,567	98957944	1,430	98957945
TPD 32-40/4	0.25	6/10	32mm Flanged	200	N/A	2,023	98958139	1,729	98958184
TPD 32-60/4	0.25	6/10	32mm Flanged	200	N/A	2,060	98958140	1,766	98958180
TPD 32-80/4	0.25	16	32mm Flanged	300	B5	2,900	96384202	2,606	96086757
TPD 32-100/4	0.37	16	32mm Flanged	300	B5	2,953	96384208	2,659	96086758
TPD 32-120/4	0.55	16	32mm Flanged	300	B5	3,042	96384214	2,748	96086759
TPD 40-30/4	0.12	6/10	40mm Flanged	200	N/A	1,819	98957954	1,682	98957955
TPD 40-90/4	0.25	16	40mm Flanged	200	N/A	2,360	98958143	2,066	98958181
TPD 40-100/4	0.55	16	40mm Flanged	300	B5	3,284	96384232	2,990	96086901
TPD 40-110/4	0.75	16	40mm Flanged	300	B5	3,257	98760141	2,938	98743363
TPD 40-140/4	1.1	16	40mm Flanged	300	B5	3,723	98760138	3,404	98743333
TPD 50-30/4	0.25	6/10	50mm Flanged	200	N/A	2,387	98957968	2,093	98957969
TPD 50-60/4	0.37	6/10	50mm Flanged	200	N/A	2,843	98958087	2,549	98958089
TPD 50-90/4	0.55	16	50mm Flanged	300	B5	3,508	96384250	3,214	96087153
TPD 50-80/4	0.75	16	50mm Flanged	300	B5	3,738	98760132	3,419	98742978
TPD 50-120/4	1.1	16	50mm Flanged	300	B5	3,797	98760129	3,478	98742948
TPD 50-140/4	1.5	16	50mm Flanged	300	B5	3,857	98760126	3,538	98742918
TPD 50-190/4	2.2	16	50mm Flanged	300	B5	-	-	3,825	96087301
TPD 50-230/4	3	16	50mm Flanged	300	B5	-	-	4,181	96087302
TPD 65-30/4	0.25	6/10	65mm Flanged	200	N/A	2,883	98957988	2,589	98957990
TPD 65-60/4	0.55	6/10	65mm Flanged	200	N/A	3,366	98957996	3,072	98957998
TPD 65-90/4	0.75	16	65mm Flanged	300	B5	3,934	96384286	3,615	96087477
TPD 65-110/4	1.1	16	65mm Flanged	300	B5	4,074	96384292	3,755	96087478
TPD 65-130/4	1.5	16	65mm Flanged	300	B5	4,283	96384298	3,964	96087479
TPD 65-150/4	2.2	16	65mm Flanged	300	B5	-	-	4,298	96087645
TPD 65-170/4	3	16	65mm Flanged	300	B5	-	-	4,488	96087646
TPD 65-240/4	4	16	65mm Flanged	300	B5	-	-	5,153	96087647
TPD 80-30/4	0.37	6	80mm Flanged	200	N/A	3,730	98958013	3,436	98958017
TPD 80-60/4	0.75	6	80mm Flanged	200	N/A	4,221	98958027	3,902	98958031
TPD 80-70/4	1.1	16	80mm Flanged	300	B5	4,144	96384304	3,825	96108657
TPD 80-90/4	1.5	16	80mm Flanged	300	B5	4,353	96384310	4,034	96108658
TPD 80-110/4	2.2	16	80mm Flanged	300	B5	-	-	4,383	96108891
TPD 80-150/4	3	16	80mm Flanged	300	B5	-	-	4,590	96108892
TPD 80-170/4	4	16	80mm Flanged	300	B5	-	-	5,773	96108893
TPD 80-240/4	5.5	16	80mm Flanged	300	B7	-	-	6,610	96108894
TPD 80-270/4	7.5	16	80mm Flanged	300	B7	-	-	7,131	96108895
TPD 80-340/4	11	16	80mm Flanged	300	Included	-	-	8,691	96108896
TPD 100-30/4	0.55	6	100mm Flanged	200	N/A	4,672	98958047	4,378	98958051
TPD 100-65/4	1.1	16	100mm Flanged	300	B6	5,382	99476469	5,063	99476465
TPD 100-70/4	1.5	16	100mm Flanged	300	B6	5,504	96384316	5,185	96109123
TPD 100-90/4	2.2	16	100mm Flanged	300	B6	-	-	5,624	96109366
TPD 100-110/4	3	16	100mm Flanged	300	B6	-	-	5,988	96109367
TPD 100-130/4	4	16	100mm Flanged	300	B6	-	-	6,718	96109368
TPD 100-170/4	5.5	16	100mm Flanged	300	B6	-	-	7,303	96109369
TPD 100-200/4	7.5	16	100mm Flanged	300	B7	-	-	8,115	96109370
TPD 100-250/4	11	16	100mm Flanged	300	Included	-	-	9,815	96109371
TPD 100-330/4	15	16	100mm Flanged	300	Included	-	-	11,143	96109372
TPD 100-370/4	18.5	16	100mm Flanged	300	Included	-	-	13,059	96109373
TPD 100-410/4	22	16	100mm Flanged	300	Included	-	-	14,609	96109374



CATEGORY 1 - TPD SINGLE STAGE TWIN HEAD IN LINE PUMPS

CAST IRON PUMPS COMPLETE WITH 4 POLES ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Design series	Optional baseplate	230V 1ph 50Hz		380-415V 3ph 50Hz	
						£	Product Code	£	Product Code
						A F A BQQE		A F A BQQE	
TPD 125-110/4	4	16	125mm Flanged	300	B7	-	-	7,007	96109595
TPD 125-130/4	5.5	16	125mm Flanged	300	B7	-	-	7,525	96109596
TPD 125-160/4	7.5	16	125mm Flanged	300	B7	-	-	9,959	96109597
TPD 125-190/4	11	16	125mm Flanged	300	Included	-	-	10,552	98743739
TPD 125-230/4	15	16	125mm Flanged	300	Included	-	-	11,659	98743697
TPD 125-300/4	18.5	16	125mm Flanged	300	Included	-	-	13,502	98742596
TPD 125-340/4	22	16	125mm Flanged	300	Included	-	-	14,978	98742572
TPD 125-400/4	30	16	125mm Flanged	300	Included	-	-	16,453	98742548
TPD 150-130/4	7.5	16	150mm Flanged	300	B7	-	-	11,066	96109904
TPD 150-160/4	11	16	150mm Flanged	300	Included	-	-	12,027	96109905
TPD 150-200/4	15	16	150mm Flanged	300	Included	-	-	13,134	96109906
TPD 150-230/4	18.5	16	150mm Flanged	300	Included	-	-	14,681	96109907
TPD 150-250/4	22	16	150mm Flanged	300	Included	-	-	15,862	96109908

CAST IRON PUMPS COMPLETE WITH 6 POLES ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Design series	Optional baseplate	230V 1ph 50Hz		380-415V 3ph 50Hz	
						£	Product Code	£	Product Code
						A F A BQQE		A F A BQQE	
TPD 125-60/6	1.5	16	125mm Flanged	300	B7	-	-	6,533	96109689
TPD 125-70/6	2.2	16	125mm Flanged	300	B7	-	-	6,919	96109690
TPD 125-80/6	3	16	125mm Flanged	300	B7	-	-	8,071	98743808
TPD 125-100/6	4	16	125mm Flanged	300	B7	-	-	8,841	98743781
TPD 125-130/6	5.5	16	125mm Flanged	300	B7	-	-	9,994	98742662
TPD 125-160/6	7.5	16	125mm Flanged	300	B7	-	-	13,069	98742638
TPD 150-60/6	2.2	16	150mm Flanged	300	B7	-	-	7,610	96109965
TPD 150-70/6	3	16	150mm Flanged	300	B7	-	-	8,763	96109966
TPD 150-90/6	4	16	150mm Flanged	300	B7	-	-	9,608	96110023
TPD 150-110/6	5.5	16	150mm Flanged	300	B7	-	-	10,762	96110024

CAST IRON PUMPS COMPLETE WITH 2 POLES ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Design series	Optional baseplate	230V 1ph 50Hz		380-415V 3ph 50Hz	
						£	Product Code	£	Product Code
						A F A BQQE		A F A BQQE	
TPD 32-60/2	0.25	6/10	32mm Flanged	200	N/A	1,811	98957948	1,517	98957949
TPD 32-120/2	0.25	6/10	32mm Flanged	200	N/A	2,188	98906995	1,894	98957951
TPD 32-150/2	0.37	6/10	32mm Flanged	200	N/A	2,188	98958120	1,894	97900333
TPD 32-180/2	0.55	6/10	32mm Flanged	200	N/A	2,419	98958121	2,125	98958122
TPD 32-230/2	0.75	6/10	32mm Flanged	200	N/A	2,676	98958123	2,357	98958124
TPD 32-200/2	1.1	16	32mm Flanged	300	B5	3,032	96384220	2,713	96086709
TPD 32-250/2	1.5	16	32mm Flanged	300	B5	3,344	96384226	3,025	96086710
TPD 32-320/2	2.2	16	32mm Flanged	300	B5	-	-	3,269	96086801
TPD 32-380/2	3	16	32mm Flanged	300	B5	-	-	3,548	96086802
TPD 32-460/2	4	16	32mm Flanged	300	B5	-	-	3,653	96086803
TPD 32-580/2	5.5	16	32mm Flanged	300	B5	-	-	4,520	96086804
TPD 40-60/2	0.25	6/10	40mm Flanged	200	N/A	2,026	98470784	1,732	98455942
TPD 40-120/2	0.37	6/10	40mm Flanged	200	N/A	2,432	98957963	2,138	98083077
TPD 40-190/2	0.75	16	40mm Flanged	200	N/A	2,898	98958131	2,579	98173086
TPD 40-230/2	1.1	16	40mm Flanged	200	N/A	2,975	98958132	2,656	98958133
TPD 40-270/2	1.5	16	40mm Flanged	200	N/A	3,204	98958134	2,885	98915456
TPD 40-240/2	2.2	16	40mm Flanged	300	B5	-	-	3,478	96086953
TPD 40-300/2	3	16	40mm Flanged	300	B5	-	-	3,685	96086954
TPD 40-360/2	4	16	40mm Flanged	300	B5	-	-	4,174	96086955
TPD 40-430/2	5.5	16	40mm Flanged	300	B5	-	-	5,205	98743287
TPD 40-530/2	7.5	16	40mm Flanged	300	B5	-	-	5,539	98743245
TPD 40-630/2	11	16	40mm Flanged	300	Included	-	-	7,764	98743212



CATEGORY 1 - TPD SINGLE STAGE TWIN HEAD IN LINE PUMPS

CAST IRON PUMPS COMPLETE WITH 2 POLES ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Design series	Optional baseplate	230V 1ph 50Hz		380-415V 3ph 50Hz	
						£	Product Code	£	Product Code
						A F A BQQE		A F A BQQE	
TPD 50-60/2	0.37	6/10	50mm Flanged	200	N/A	2,432	98957978	2,138	98957979
TPD 50-120/2	0.75	6/10	50mm Flanged	200	N/A	2,908	98957981	2,589	98957982
TPD 50-180/2	0.75	6/10	50mm Flanged	200	N/A	3,222	98957984	2,903	98957985
TPD 50-160/2	1.1	16	50mm Flanged	300	B5	3,401	96384274	3,082	96087061
TPD 50-190/2	1.5	16	50mm Flanged	300	B5	3,658	96384280	3,339	96087062
TPD 50-240/2	2.2	16	50mm Flanged	300	B5	-	-	3,491	96087249
TPD 50-290/2	3	16	50mm Flanged	300	B5	-	-	3,720	96087250
TPD 50-360/2	4	16	50mm Flanged	300	B5	-	-	4,278	96087251
TPD 50-430/2	5.5	16	50mm Flanged	300	B5	-	-	5,661	96087252
TPD 50-420/2	7.5	16	50mm Flanged	300	B5	-	-	5,674	98742882
TPD 50-540/2	11	16	50mm Flanged	300	Included	-	-	7,899	98742830
TPD 50-630/2	15	16	50mm Flanged	300	Included	-	-	8,367	98742788
TPD 50-710/2	15	16	50mm Flanged	300	Included	-	-	8,708	96087255
TPD 50-830/2	18.5	16	50mm Flanged	300	Included	-	-	10,866	96087256
TPD 50-900/2	22	16	50mm Flanged	300	Included	-	-	12,466	96087257
TPD 65-60/2	0.55	6/10	65mm Flanged	200	N/A	2,888	98958090	2,594	98958091
TPD 65-120/2	1.1	6/10	65mm Flanged	200	N/A	3,543	98958002	3,224	98958003
TPD 65-180/2	1.5	6/10	65mm Flanged	200	N/A	3,815	98958005	3,496	98958006
TPD 65-170/2	2.2	16	65mm Flanged	300	B5	-	-	3,506	98742445
TPD 65-210/2	3	16	65mm Flanged	300	B5	-	-	3,755	98742403
TPD 65-250/2	4	16	65mm Flanged	300	B5	-	-	4,298	98742364
TPD 65-340/2	5.5	16	65mm Flanged	300	B5	-	-	5,773	96087584
TPD 65-410/2	7.5	16	65mm Flanged	300	B5	-	-	6,050	96087585
TPD 65-460/2	11	16	65mm Flanged	300	Included	-	-	8,362	96087586
TPD 65-550/2	15	16	65mm Flanged	300	Included	-	-	9,822	96087587
TPD 65-660/2	18.5	16	65mm Flanged	300	Included	-	-	11,631	96087588
TPD 65-720/2	22	16	65mm Flanged	300	Included	-	-	12,972	96087589
TPD 65-930/2	30	16	65mm Flanged	300	Included	-	-	15,070	96087590
TPD 80-120/2	1.5	10	80mm Flanged	200	N/A	4,355	98958037	4,036	98958039
TPD 80-140/2	2.2	16	80mm Flanged	300	B5	-	-	3,685	96108787
TPD 80-180/2	3	16	80mm Flanged	300	B5	-	-	4,034	96108788
TPD 80-210/2	4	16	80mm Flanged	300	B5	-	-	4,527	96108789
TPD 80-240/2	5.5	16	80mm Flanged	300	B5	-	-	4,587	96108790
TPD 80-250/2	7.5	16	80mm Flanged	300	B5	-	-	6,189	96108791
TPD 80-330/2	11	16	80mm Flanged	300	Included	-	-	8,571	96108792
TPD 80-400/2	15	16	80mm Flanged	300	Included	-	-	8,599	96108793
TPD 80-520/2	18.5	16	80mm Flanged	300	Included	-	-	10,754	96108794
TPD 80-570/2	22	16	80mm Flanged	300	Included	-	-	13,438	96108795
TPD 80-700/2	30	16	80mm Flanged	300	Included	-	-	15,282	96108796
TPD 100-120/2	2.2	6	100mm Flanged	200	N/A	-	-	5,043	98958094
TPD 100-160/2	4	16	100mm Flanged	300	B5	-	-	4,293	96109245
TPD 100-200/2	5.5	16	100mm Flanged	300	B5	-	-	5,400	96109246
TPD 100-240/2	7.5	16	100mm Flanged	300	B5	-	-	5,624	96109247
TPD 100-250/2	11	16	100mm Flanged	300	Included	-	-	8,848	96109248
TPD 100-310/2	15	16	100mm Flanged	300	Included	-	-	9,962	96109249
TPD 100-360/2	18.5	16	100mm Flanged	300	Included	-	-	12,047	96109250
TPD 100-390/2	22	16	100mm Flanged	300	Included	-	-	13,717	96109251
TPD 100-480/2	30	16	100mm Flanged	300	Included	-	-	15,526	96109252

PUMPS

High % Glycol pumps may need an oversized motor and will need configuration by your Sales Office
Custom Built pump options; different seals, elastomers, 60Hz motors can be configured and priced on request by your Sales Office
Some models are available in PN25. Contact the Sales Office for details.

ELECTRIC MOTOR

1ph: 220-230/240V/50Hz or 240V/50Hz
3ph up to and including 1.50kW: 220-240D/380-415Y/50Hz
3ph from 2.2kW and above: 380-415D/50Hz
IP55 Class F insulation
Motors 0.75kW and above are IE3 Efficiency.

BASEPLATES

When applicable, baseplates for TP(E)(D) are available as an accessory. See page 31 for codes and prices.



CATEGORY 1 - TPE2 SINGLE STAGE IN LINE HIGH EFFICIENCY PUMPS

CAST IRON SINGLE HEAD PUMPS COMPLETE WITH VARIABLE SPEED HIGH EFFICIENCY MOTOR

Model	P2 kW	PN bar	Pipework Connection	Transducer Range	230V 1ph 50/60Hz		380-500V 3ph 50/60Hz	
					£	Product Code	£	Product Code
					A F A BQQE		A F A BQQE	
TPE2 32-80-N	0.25	6/10	32mm Flanged	0-1 bar	1,786	98438338	2,053	98437880
TPE2 32-120-N	0.25	6/10	32mm Flanged	0-1 bar	2,005	98438339	2,272	98437881
TPE2 32-150-N	0.37	6/10	32mm Flanged	0-1.6 bar	2,177	98438340	2,423	98437882
TPE2 32-180-N	0.55	6/10	32mm Flanged	0-2.5 bar	2,355	98438341	2,587	98437883
TPE2 32-200-N	0.75	6/10	32mm Flanged	0-2.5 bar	2,473	98438342	2,685	98437884
TPE2 40-80-N	0.25	6/10	40mm Flanged	0-1 bar	2,156	98438343	2,423	98437885
TPE2 40-120-N	0.37	6/10	40mm Flanged	0-1.6 bar	2,340	98438344	2,587	98437886
TPE2 40-150-N	0.55	6/10	40mm Flanged	0-1.6 bar	2,524	98438345	2,755	98437887
TPE2 40-180-N	0.75	6/10	40mm Flanged	0-2.5 bar	2,725	98438346	2,936	98437888
TPE2 40-200-N	1.1	6/10	40mm Flanged	0-2.5 bar	2,853	98438347	3,052	98437889
TPE2 40-240-N	1.5	6/10	40mm Flanged	0-2.5 bar	3,133	98438348	3,319	98437890
TPE2 50-60-N	0.37	6/10	50mm Flanged	0-0.6 bar	2,267	98438349	2,514	98437891
TPE2 50-80-N	0.37	6/10	50mm Flanged	0-1 bar	2,438	98438350	2,685	98437892
TPE2 50-120-N	0.55	6/10	50mm Flanged	0-1.6 bar	2,632	98438351	2,863	98437893
TPE2 50-150-N	0.75	6/10	50mm Flanged	0-1.6 bar	2,841	98438352	3,052	98437894
TPE2 50-180-N	1.1	6/10	50mm Flanged	0-2.5 bar	3,050	98438353	3,248	98437895
TPE2 50-200-N	1.5	6/10	50mm Flanged	0-2.5 bar	3,269	98438354	3,455	98437896
TPE2 50-240-N	2.2	6/10	50mm Flanged	0-2.5 bar	-	-	3,671	98437897
TPE2 65-60-N	0.37	6/10	65mm Flanged	0-0.6 bar	2,617	98438355	2,863	98437898
TPE2 65-80-N	0.55	6/10	65mm Flanged	0-1 bar	2,821	98438356	3,052	98437899
TPE2 65-120-N	0.75	6/10	65mm Flanged	0-1.6 bar	3,037	98438357	3,248	98437900
TPE2 65-150-N	1.1	6/10	65mm Flanged	0-1.6 bar	3,256	98438358	3,455	98437901
TPE2 65-180-N	1.5	6/10	65mm Flanged	0-2.5 bar	3,485	98438359	3,671	98437902
TPE2 65-200-N	2.2	6/10	65mm Flanged	0-2.5 bar	-	-	3,897	98437903
TPE2 80-40-N	0.25	10	80mm Flanged	0-0.6 bar	2,655	98437735	2,863	98437601
TPE2 80-120-N	1.1	10	80mm Flanged	0-1.6 bar	3,550	98437737	3,671	98437603
TPE2 80-150-N	1.5	10	80mm Flanged	0-1.6 bar	3,795	98437738	3,898	98437604
TPE2 80-180-N	2.2	10	80mm Flanged	0-2.5 bar	-	-	4,137	98437605
TPE2 100-40-N	0.25	10	100mm Flanged	0-0.6 bar	2,848	98437726	3,121	98437612
TPE2 100-120-N	1.1	10	100mm Flanged	0-1.6 bar	3,782	98437728	3,985	98437614
TPE2 100-150-N	1.5	10	100mm Flanged	0-1.6 bar	4,039	98437729	4,229	98437615
TPE2 100-180-N	2.2	10	100mm Flanged	0-2.5 bar	-	-	4,487	98437616

TPE2 PUMP

Transducers are not included with the pump but are optional extras listed on Page 39. One transducer is required for a single TPE2 pump.

If required, select the appropriate differential pressure transducer according to the size indicated.

These units are NOT SUITABLE for systems where power on/off control is a function of the plant room control. Digital stop/start is acceptable.

TPE2 include sensor connection points on both flanges. In some models, the tapping is on the flange side, rather than on the top.

PN16 and stainless steel versions are available on request, contact the Sales Office.

ELECTRIC MOTOR

220-240V / 1ph / 50Hz with IE5 efficiency

380-500V / 3ph / 50Hz with IE5 efficiency

IP55 Class F insulation

IMPORTANT:

A Grundfos GO based communication device will be required in order to commission the "E" product.

See Page 40 for details.

This device can be used to commission and monitor multiple pumps on multiple sites

BASEPLATES

Baseplates are not available for TPE2 single head pumps.



CATEGORY 1 - TPE2 SINGLE STAGE IN LINE HIGH EFFICIENCY PUMPS

CAST IRON TWIN HEAD PUMPS COMPLETE WITH VARIABLE SPEED HIGH EFFICIENCY MOTOR

Model	P2 kW	PN bar	Pipework Connection	Transducer Range	230V 1ph 50/60Hz		380-500V 3ph 50/60Hz	
					£	Product Code	£	Product Code
					A F A BQQE		A F A BQQE	
TPE2 D 32-80-N	0.25	6/10	32mm Flanged	0-1 bar	3,507	98438555	4,038	98438125
TPE2 D 32-120-N	0.25	6/10	32mm Flanged	0-1 bar	3,787	98438556	4,318	98438126
TPE2 D 32-150-N	0.37	6/10	32mm Flanged	0-1.6 bar	4,116	98438557	4,609	98438127
TPE2 D 32-180-N	0.55	6/10	32mm Flanged	0-2.5 bar	4,320	98438558	4,783	98438128
TPE2 D 32-200-N	0.75	6/10	32mm Flanged	0-2.5 bar	4,813	98438559	5,239	98438129
TPE2 D 40-80-N	0.25	6/10	40mm Flanged	0-1 bar	4,079	98438560	4,609	98438130
TPE2 D 40-120-N	0.37	6/10	40mm Flanged	0-1.6 bar	4,423	98438561	4,916	98438131
TPE2 D 40-150-N	0.55	6/10	40mm Flanged	0-1.6 bar	4,776	98438562	5,239	98438132
TPE2 D 40-180-N	0.75	6/10	40mm Flanged	0-2.5 bar	5,022	98438563	5,447	98438133
TPE2 D 40-200-N	1.1	6/10	40mm Flanged	0-2.5 bar	5,405	98438564	5,802	98438134
TPE2 D 40-240-N	1.5	6/10	40mm Flanged	0-2.5 bar	5,800	98438565	6,172	98438135
TPE2 D 50-60-N	0.37	6/10	50mm Flanged	0-0.6 bar	4,290	98438566	4,783	98438136
TPE2 D 50-80-N	0.37	6/10	50mm Flanged	0-1 bar	4,612	98438567	5,105	98438137
TPE2 D 50-120-N	0.55	6/10	50mm Flanged	0-1.6 bar	4,984	98438568	5,447	98438138
TPE2 D 50-150-N	0.75	6/10	50mm Flanged	0-1.6 bar	5,377	98438569	5,802	98438139
TPE2 D 50-180-N	1.1	6/10	50mm Flanged	0-2.5 bar	5,774	98438570	6,172	98438140
TPE2 D 50-200-N	1.5	6/10	50mm Flanged	0-2.5 bar	6,195	98438571	6,567	98438141
TPE2 D 50-240-N	2.2	6/10	50mm Flanged	0-2.5 bar	-	-	6,977	98438142
TPE2 D 65-60-N	0.37	6/10	65mm Flanged	0-0.6 bar	4,954	98438572	5,447	98438143
TPE2 D 65-80-N	0.55	6/10	65mm Flanged	0-1 bar	5,339	98438573	5,802	98438144
TPE2 D 65-120-N	0.75	6/10	65mm Flanged	0-1.6 bar	5,747	98438574	6,172	98438145
TPE2 D 65-150-N	1.1	6/10	65mm Flanged	0-1.6 bar	6,169	98438575	6,567	98438146
TPE2 D 65-180-N	1.5	6/10	65mm Flanged	0-2.5 bar	6,605	98438576	6,977	98438147
TPE2 D 65-200-N	2.2	6/10	65mm Flanged	0-2.5 bar	-	-	7,407	98438148
TPE2 D 80-40-N	0.25	10	80mm Flanged	0-0.6 bar	4,916	98437784	5,447	98437671
TPE2 D 80-120-N	1.1	10	80mm Flanged	0-1.6 bar	6,580	98437786	6,977	98437673
TPE2 D 80-150-N	1.5	10	80mm Flanged	0-1.6 bar	7,035	98437787	7,407	98437674
TPE2 D 80-180-N	2.2	10	80mm Flanged	0-2.5 bar	-	-	7,863	98437675
TPE2 D 100-40-N	0.25	10	100mm Flanged	0-0.6 bar	5,271	98437788	5,802	98437676
TPE2 D 100-120-N	1.1	10	100mm Flanged	0-1.6 bar	7,010	98437790	7,407	98437678
TPE2 D 100-150-N	1.5	10	100mm Flanged	0-1.6 bar	7,490	98437791	7,863	98437679
TPE2 D 100-180-N	2.2	10	100mm Flanged	0-2.5 bar	-	-	8,341	98437680

TPE2 D PUMP

Transducers are not included with the pump but are optional extras listed on Page 39. Two transducers are required for a twin TPE2 D pump.

If required, select the appropriate differential pressure transducer according to the size indicated.

Two transducers are required for a Twin TPE2 D pump.

The extra fittings kit will allow two differential pressure transducers to be fitted on to the suction and discharge flanges - see page 39

These units are NOT SUITABLE for systems where power on/off control is a function of the plant room control. Digital stop/start is acceptable.

TPE2 D include sensor connection points on both flanges. In some models, the tapping is on the flange side, rather than on the top.

PN16 versions are available on request, contact the Sales Office.

ELECTRIC MOTOR

220-240V / 1ph / 50Hz with IE5 efficiency

380-500V / 3ph / 50Hz with IE5 efficiency

IP55 Class F insulation

IMPORTANT:

A Grundfos GO based communication device will be required in order to commission the "E" product.

See Page 40 for details.

This device can be used to commission and monitor multiple pumps on multiple sites

BASEPLATES

When applicable, baseplates for TPE2 D are available as an accessory.

See page 31 for codes and prices.



CATEGORY 1 - TPE3 SINGLE STAGE IN LINE HIGH EFFICIENCY PUMPS

CAST IRON SINGLE HEAD PUMPS COMPLETE WITH VARIABLE SPEED HIGH EFFICIENCY MOTOR AND BUILT-IN DP+T SENSOR

Model	P2 kW	PN bar	Pipework Connection	230V 1ph 50/60Hz		380-500V 3ph 50/60Hz	
				£	Product Code	£	Product Code
				A F A BQQE		A F A BQQE	
TPE3 32-80-S	0.25	6/10	32mm Flanged	2,650	99272234	2,916	99272202
TPE3 32-120-S	0.25	6/10	32mm Flanged	2,868	99272235	3,135	99272203
TPE3 32-150-S	0.37	6/10	32mm Flanged	3,040	99272236	3,286	99272204
TPE3 32-180-S	0.55	6/10	32mm Flanged	3,218	99272237	3,450	99272205
TPE3 32-200-S	0.75	6/10	32mm Flanged	3,336	99272238	3,548	99272206
TPE3 40-80-S	0.25	6/10	40mm Flanged	3,019	99272239	3,286	99272207
TPE3 40-120-S	0.37	6/10	40mm Flanged	3,203	99272240	3,450	99272208
TPE3 40-150-S	0.55	6/10	40mm Flanged	3,387	99272241	3,618	99272209
TPE3 40-180-S	0.75	6/10	40mm Flanged	3,588	99272242	3,799	99272210
TPE3 40-200-S	1.1	6/10	40mm Flanged	3,716	99272253	3,915	99272211
TPE3 40-240-S	1.5	6/10	40mm Flanged	3,996	99272254	4,182	99272212
TPE3 50-60-S	0.37	6/10	50mm Flanged	3,130	99272255	3,377	99272213
TPE3 50-80-S	0.37	6/10	50mm Flanged	3,301	99272256	3,548	99272214
TPE3 50-120-S	0.55	6/10	50mm Flanged	3,495	99272257	3,726	99272215
TPE3 50-150-S	0.75	6/10	50mm Flanged	3,704	99272258	3,915	99272216
TPE3 50-180-S	1.1	6/10	50mm Flanged	3,913	99272259	4,111	99272217
TPE3 50-200-S	1.5	6/10	50mm Flanged	4,132	99272260	4,318	99272218
TPE3 50-240-S	2.2	6/10	50mm Flanged	-	-	4,534	99272219
TPE3 65-60-S	0.37	6/10	65mm Flanged	3,480	99272261	3,726	99272220
TPE3 65-80-S	0.55	6/10	65mm Flanged	3,684	99272262	3,915	99272221
TPE3 65-120-S	0.75	6/10	65mm Flanged	3,900	99272263	4,111	99272222
TPE3 65-150-S	1.1	6/10	65mm Flanged	4,119	99272264	4,318	99272223
TPE3 65-180-S	1.5	6/10	65mm Flanged	4,348	99272265	4,534	99272224
TPE3 65-200-S	2.2	6/10	65mm Flanged	-	-	4,760	99272225
TPE3 80-40-S	0.25	10	80mm Flanged	3,460	99272196	3,726	99272188
TPE3 80-120-S	1.1	10	80mm Flanged	4,335	99272197	4,534	99272189
TPE3 80-150-S	1.5	10	80mm Flanged	4,574	99272198	4,761	99272190
TPE3 80-180-S	2.2	10	80mm Flanged	-	-	5,000	99272191
TPE3 100-40-S	0.25	10	100mm Flanged	3,648	99272199	3,915	99272192
TPE3 100-120-S	1.1	10	100mm Flanged	4,562	99272200	4,761	99272193
TPE3 100-150-S	1.5	10	100mm Flanged	4,813	99272201	5,000	99272194
TPE3 100-180-S	2.2	10	100mm Flanged	-	-	5,251	99272195

TPE3 PUMPS

TPE3 pumps have a built-in differential pressure and temperature transducer and are pre-programmed for close loop control.

These units are NOT RECOMMENDED for % speed change (uncontrolled mode) from an external analogue source (BMS). Use TPE2 or TPE series 1000 for this application

These units are NOT SUITABLE for systems where power on/off control is a function of the plant room control. Digital stop/start is acceptable.

PN16 and stainless steel versions are available on request, contact the Sales Office.

ELECTRIC MOTOR

220-240V / 1ph / 50Hz with IE5 efficiency

380-500V / 3ph / 50Hz with IE5 efficiency

IP55 Class F insulation

IMPORTANT:

A Grundfos GO based communication device will be required in order to commission the "E" product.

See Page 40 for details.

This device can be used to commission and monitor multiple pumps on multiple sites

BASEPLATES

Baseplates are not available for TPE3 single head pumps.



CATEGORY 1 - TPE3 SINGLE STAGE IN LINE HIGH EFFICIENCY PUMPS

CAST IRON TWIN HEAD PUMPS COMPLETE WITH VARIABLE SPEED HIGH EFFICIENCY MOTOR AND BUILT-IN DP+T SENSOR

Model	P2 kW	PN bar	Pipework Connection	230V 1ph 50/60Hz		380-500V 3ph 50/60Hz	
				£	Product Code	£	Product Code
				A F A BQQE		A F A BQQE	
TPE3 D 32-80-S	0.25	6/10	32mm Flanged	4,370	99272582	4,901	99272540
TPE3 D 32-120-S	0.25	6/10	32mm Flanged	4,650	99272583	5,181	99272541
TPE3 D 32-150-S	0.37	6/10	32mm Flanged	4,979	99272584	5,473	99272542
TPE3 D 32-180-S	0.55	6/10	32mm Flanged	5,183	99272585	5,646	99272543
TPE3 D 32-200-S	0.75	6/10	32mm Flanged	5,676	99272586	6,102	99272544
TPE3 D 40-80-S	0.25	6/10	40mm Flanged	4,942	99272587	5,473	99272545
TPE3 D 40-120-S	0.37	6/10	40mm Flanged	5,286	99272588	5,779	99272546
TPE3 D 40-150-S	0.55	6/10	40mm Flanged	5,639	99272589	6,102	99272547
TPE3 D 40-180-S	0.75	6/10	40mm Flanged	5,885	99272590	6,310	99272548
TPE3 D 40-200-S	1.1	6/10	40mm Flanged	6,268	99272591	6,665	99272549
TPE3 D 40-240-S	1.5	6/10	40mm Flanged	6,663	99272592	7,035	99272550
TPE3 D 50-60-S	0.37	6/10	50mm Flanged	5,153	99272593	5,646	99272551
TPE3 D 50-80-S	0.37	6/10	50mm Flanged	5,475	99272594	5,968	99272552
TPE3 D 50-120-S	0.55	6/10	50mm Flanged	5,847	99272595	6,310	99272553
TPE3 D 50-150-S	0.75	6/10	50mm Flanged	6,240	99272596	6,665	99272554
TPE3 D 50-180-S	1.1	6/10	50mm Flanged	6,637	99272597	7,035	99272555
TPE3 D 50-200-S	1.5	6/10	50mm Flanged	7,058	99272598	7,430	99272556
TPE3 D 50-240-S	2.2	6/10	50mm Flanged	-	-	7,840	99272557
TPE3 D 65-60-S	0.37	6/10	65mm Flanged	5,817	99272599	6,310	99272558
TPE3 D 65-80-S	0.55	6/10	65mm Flanged	6,202	99272600	6,665	99272559
TPE3 D 65-120-S	0.75	6/10	65mm Flanged	6,610	99272601	7,035	99272560
TPE3 D 65-150-S	1.1	6/10	65mm Flanged	7,032	99272602	7,430	99272561
TPE3 D 65-180-S	1.5	6/10	65mm Flanged	7,468	99272603	7,840	99272562
TPE3 D 65-200-S	2.2	6/10	65mm Flanged	-	-	8,270	99272573
TPE3 D 80-40-S	0.25	10	80mm Flanged	5,779	99272534	6,310	99272526
TPE3 D 80-120-S	1.1	10	80mm Flanged	7,443	99272535	7,840	99272527
TPE3 D 80-150-S	1.5	10	80mm Flanged	7,898	99272536	8,270	99272528
TPE3 D 80-180-S	2.2	10	80mm Flanged	-	-	8,726	99272529
TPE3 D 100-40-S	0.25	10	100mm Flanged	6,134	99272537	6,665	99272530
TPE3 D 100-120-S	1.1	10	100mm Flanged	7,873	99272538	8,270	99272531
TPE3 D 100-150-S	1.5	10	100mm Flanged	8,353	99272539	8,726	99272532
TPE3 D 100-180-S	2.2	10	100mm Flanged	-	-	9,204	99272533

TPE3 D PUMPS

TPE3 D pumps are supplied with two built-in differential pressure and temperature transducer and are pre-programmed for close loop control.

These units are NOT RECOMMENDED for % speed change (uncontrolled mode) from an external analogue source (BMS).

Use TPE2 D or TPED series 1000 for this application.

These units are NOT SUITABLE for systems where power on/off control is a function of the plant room control. Digital stop/start is acceptable.

Digital stop/start to both pump heads simultaneously is acceptable.

PN16 versions are available on request, contact the Sales Office.

ELECTRIC MOTOR

220-240V / 1ph / 50Hz with IE5 efficiency

380-500V / 3ph / 50Hz with IE5 efficiency

IP55 Class F insulation

IMPORTANT:

A Grundfos GO based communication device will be required in order to commission the "E" product.

See Page 40 for details.

This device can be used to commission and monitor multiple pumps on multiple sites

BASEPLATES

When applicable, baseplates for TPE3 D are available as an accessory.

See page 31 for codes and prices.



CATEGORY 1 - TPE SERIES 1000 SINGLE STAGE SINGLE HEAD IN LINE PUMPS

SERIES 1000 CAST IRON PUMPS COMPLETE WITH 4 POLES VARIABLE SPEED ELECTRIC MOTOR

						380-480/500V 3ph 50/60Hz	
						£	Product Code
Model	P2 kW	PN bar	Pipework Connection	Transducer Range	Design series	A F A BQQE	
TPE 65-240/4	4	16	65mm Flanged	0-4 bar	300	4,994	99113696
TPE 80-150/4	3	16	80mm Flanged	0-2.5 bar	300	4,423	99113698
TPE 80-170/4	4	16	80mm Flanged	0-2.5 bar	300	5,311	99113699
TPE 80-240/4	5.5	16	80mm Flanged	0-4 bar	300	6,220	99113700
TPE 80-270/4	7.5	16	80mm Flanged	0-4 bar	300	7,005	99113701
TPE 80-340/4	11	16	80mm Flanged	0-4 bar	300	8,872	96110190
TPE 100-65/4	1.1	16	100mm Flanged	0-1 bar	300	4,003	99476471
TPE 100-70/4	1.5	16	100mm Flanged	0-1 bar	300	4,144	99113702
TPE 100-90/4	2.2	16	100mm Flanged	0-1.6 bar	300	4,652	99113703
TPE 100-110/4	3	16	100mm Flanged	0-1.6 bar	300	5,135	99113704
TPE 100-130/4	4	16	100mm Flanged	0-2.5 bar	300	5,795	99113705
TPE 100-170/4	5.5	16	100mm Flanged	0-2.5 bar	300	6,731	99113706
TPE 100-200/4	7.5	16	100mm Flanged	0-2.5 bar	300	7,682	99113707
TPE 100-250/4	11	16	100mm Flanged	0-4 bar	300	9,652	96110403
TPE 100-330/4	15	16	100mm Flanged	0-4 bar	300	11,081	96110404
TPE 100-370/4	18.5	16	100mm Flanged	0-6 bar	300	13,071	96110405
TPE 125-60/4	2.2	16	125mm Flanged	0-1 bar	300	4,685	99113653
TPE 125-80/4	3	16	125mm Flanged	0-1.6 bar	300	5,294	99113654
TPE 125-95/4	4	16	125mm Flanged	0-1.6 bar	300	6,049	99113655
TPE 125-110/4	4	16	125mm Flanged	0-1.6 bar	300	6,091	99113708
TPE 125-130/4	5.5	16	125mm Flanged	0-1.6 bar	300	6,846	99113709
TPE 125-160/4	7.5	16	125mm Flanged	0-2.5 bar	300	8,663	99113710
TPE 125-190/4	11	16	125mm Flanged	0-2.5 bar	300	10,042	98743751
TPE 125-230/4	15	16	125mm Flanged	0-4 bar	300	11,355	98743709
TPE 125-300/4	18.5	16	125mm Flanged	0-4 bar	300	13,308	98742608
TPE 150-70/4	5.5	16	150mm Flanged	0-1.6 bar	300	7,312	99113658
TPE 150-110/4	7.5	16	150mm Flanged	0-1.6 bar	300	9,169	99113659
TPE 150-130/4	7.5	16	150mm Flanged	0-1.6 bar	300	9,249	99113711
TPE 150-155/4	11	16	150mm Flanged	0-2.5 bar	300	10,779	98908273
TPE 150-170/4	15	16	150mm Flanged	0-2.5 bar	300	12,004	98908252
TPE 150-200/4	15	16	150mm Flanged	0-2.5 bar	300	12,140	96110627
TPE 150-220/4	18.5	16	150mm Flanged	0-4.0 bar	300	13,934	96110628
TPE 150-260/4	18.5	16	150mm Flanged	0-4.0 bar	300	14,485	96306287
TPE 200-50/4	4	16	200mm Flanged	0-0.6 bar	300	7,355	99113660
TPE 200-70/4	5.5	16	200mm Flanged	0-1 bar	300	8,361	99113661
TPE 200-90/4	7.5	16	200mm Flanged	0-1 bar	300	10,137	99113662
TPE 200-130/4	11	16	200mm Flanged	0-1.6 bar	300	12,281	97927474
TPE 200-150/4	15	16	200mm Flanged	0-2.5 bar	300	13,315	97927473
TPE 200-160/4	15	16	200mm Flanged	0-2.5 bar	300	13,315	97927479
TPE 200-190/4	18.5	16	200mm Flanged	0-2.5 bar	300	14,478	97927478

SERIES 1000 TPE PUMPS

Transducers are not included with the pump but are optional extras listed on Page 39. One transducer is required for a single TPE 1000 pump.

If required, select the appropriate differential pressure transducer according to the size indicated.

These units are NOT SUITABLE for systems where power on/off control is a function of the plant room control. Digital stop/start is acceptable.

ELECTRIC MOTOR

380-500V / 3ph / 50Hz with IE5 efficiency up to 7.5kW

380-480V / 3ph / 50Hz from 11kW and above

IP55 Class F insulation

IMPORTANT:

A Grundfos GO based communication device will be required in order to commission the "E" product. See Page 40 for details.

This device can be used to commission and monitor multiple pumps on multiple sites

BASEPLATES

When applicable, baseplates for TP(E)(D) are available as an accessory. Selection is as for equivalent fixed speed model. See page 31 for codes and prices.



CATEGORY 1 - TPE SERIES 1000 SINGLE STAGE SINGLE HEAD IN LINE PUMPS

SERIES 1000 CAST IRON PUMPS COMPLETE WITH 2 POLES VARIABLE SPEED ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Transducer Range	Design series	230V 1ph 50/60Hz		380-480/500V 3ph 50/60Hz	
						£	Product Code	£	Product Code
						A F A BQQE		A F A BQQE	
TPE 25-50/2 R**	0.12	10	1"1/2 BSPM	0-1 bar	100	1,418	98525613	-	-
TPE 25-80/2 R**	0.18	10	1"1/2 BSPM	0-1 bar	100	1,507	98525614	-	-
TPE 25-90/2 R**	0.37	10	1"1/2 BSPM	0-1.6 bar	100	1,709	98076621	-	-
						A O A BQQE			
TPE 32-50/2 R**	0.12	10	2" BSPM	0-1 bar	100	1,534	98525615	-	-
TPE 32-80/2 R**	0.25	10	2" BSPM	0-1 bar	100	1,695	98112498	-	-
TPE 32-90/2 R**	0.37	10	2" BSPM	0-1.6 bar	100	1,798	98112501	-	-
						A F A BQQE			
TPE 32-230/2	0.75	6/10	32mm Flanged	0-4 bar	200	2,282	99114823	2,642	98902601
TPE 32-200/2	1.1	16	32mm Flanged	0-4 bar	300	2,446	98514289	2,805	98514344
TPE 32-250/2	1.5	16	32mm Flanged	0-4 bar	300	2,572	99134541	3,042	98112536
TPE 32-320/2	2.2	16	32mm Flanged	0-4 bar	300	-	-	3,452	98112558
TPE 32-380/2	3	16	32mm Flanged	0-6 bar	300	-	-	3,890	99113926
TPE 32-460/2	4	16	32mm Flanged	0-6 bar	300	-	-	4,230	99113927
TPE 32-580/2	5.5	16	32mm Flanged	0-10 bar	300	-	-	4,984	99113928
TPE 40-50/2	0.12	6/10	40mm Flanged	0-1 bar	100	1,676	98525620	-	-
TPE 40-80/2	0.25	6/10	40mm Flanged	0-1 bar	100	1,908	98112571	-	-
TPE 40-90/2	0.37	6/10	40mm Flanged	0-1.6 bar	100	2,011	98112574	-	-
TPE 40-270/2	1.5	6/10	40mm Flanged	0-4 bar	200	2,559	99134427	3,029	98920110
TPE 40-300/2	3	16	40mm Flanged	0-4 bar	300	-	-	3,960	99113929
TPE 40-360/2	4	16	40mm Flanged	0-6 bar	300	-	-	4,496	99113930
TPE 40-430/2	5.5	16	40mm Flanged	0-6 bar	300	-	-	5,447	99113931
TPE 40-530/2	7.5	16	40mm Flanged	0-10 bar	300	-	-	6,192	99113933
TPE 40-630/2	11	16	40mm Flanged	0-10 bar	300	-	-	8,442	99113935
TPE 50-290/2	3	16	50mm Flanged	0-4 bar	300	-	-	3,978	99113936
TPE 50-360/2	4	16	50mm Flanged	0-6 bar	300	-	-	4,549	99113937
TPE 50-430/2	5.5	16	50mm Flanged	0-6 bar	300	-	-	5,568	99113938
TPE 50-420/2	7.5	16	50mm Flanged	0-6 bar	300	-	-	6,263	99113939
TPE 50-540/2	11	16	50mm Flanged	0-10 bar	300	-	-	8,514	99113940
TPE 50-630/2	15	16	50mm Flanged	0-10 bar	300	-	-	9,491	98742800
TPE 50-710/2	15	16	50mm Flanged	0-10 bar	300	-	-	9,491	96096440
TPE 50-830/2	18.5	16	50mm Flanged	0-10 bar	300	-	-	11,561	96096441
TPE 50-900/2	22	16	50mm Flanged	0-16 bar	300	-	-	13,147	96096442
TPE 65-210/2	3	16	65mm Flanged	0-4 bar	300	-	-	3,996	99113941
TPE 65-250/2	4	16	65mm Flanged	0-4 bar	300	-	-	4,559	99113942
TPE 65-340/2	5.5	16	65mm Flanged	0-4 bar	300	-	-	5,623	99113943
TPE 65-410/2	7.5	16	65mm Flanged	0-6 bar	300	-	-	6,336	99113945
TPE 65-460/2	11	16	65mm Flanged	0-6 bar	300	-	-	8,587	99113946
TPE 65-550/2	15	16	65mm Flanged	0-10 bar	300	-	-	10,059	96096605
TPE 65-660/2	18.5	16	65mm Flanged	0-10 bar	300	-	-	11,951	96096606
TPE 65-720/2	22	16	65mm Flanged	0-10 bar	300	-	-	13,406	96096607
TPE 80-180/2	3	16	80mm Flanged	0-2.5 bar	300	-	-	4,139	99113947
TPE 80-210/2	4	16	80mm Flanged	0-2.5 bar	300	-	-	4,677	99113948
TPE 80-240/2	5.5	16	80mm Flanged	0-4 bar	300	-	-	5,118	99113949
TPE 80-250/2	7.5	16	80mm Flanged	0-4 bar	300	-	-	6,406	99113950
TPE 80-330/2	11	16	80mm Flanged	0-4 bar	300	-	-	8,693	99113951
TPE 80-400/2	15	16	80mm Flanged	0-6 bar	300	-	-	9,433	96110065
TPE 80-520/2	18.5	16	80mm Flanged	0-10 bar	300	-	-	11,504	96110066
TPE 80-570/2	22	16	80mm Flanged	0-10 bar	300	-	-	13,645	96110067

SERIES 1000 TPE PUMPS

Pumps marked /2 R** require optional union sets -- details of which are on Page 31

Transducers are not included with the pump but are optional extras listed on Page 39. One transducer is required for a single TPE 1000 pump. If required, select the appropriate differential pressure transducer according to the size indicated.

These units are NOT SUITABLE for systems where power on/off control is a function of the plant room control. Digital stop/start is acceptable.

ELECTRIC MOTOR

220-240V / 1ph / 50Hz with IE5 efficiency

380-500V / 3ph / 50Hz with IE5 efficiency up to 11kW

380-480V / 3ph / 50Hz from 15kW and above

IP55 Class F insulation

IMPORTANT:

A Grundfos GO based communication device will be required in order to commission the "E" product. See Page 40 for details.

This device can be used to commission and monitor multiple pumps on multiple sites

BASEPLATES

When applicable, baseplates for TP(E)(D) are available as an accessory. Selection is as for equivalent fixed speed model. See page 31 for codes and prices.



CATEGORY 1 - TPE SERIES 1000 SINGLE STAGE SINGLE HEAD IN LINE PUMPS

SERIES 1000 CAST IRON PUMPS COMPLETE WITH 2 POLES VARIABLE SPEED ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Transducer Range	Design series	380-480/500V 3ph 50/60Hz	
						£	Product Code
TPE 100-120/2	2.2	6	100mm Flanged	0-1.6 bar	200	AI F A BQQE	
						4,461	98958246
TPE 100-160/2	4	16	100mm Flanged	0-2.5 bar	300	A F A BQQE	
TPE 100-200/2	5.5	16	100mm Flanged	0-4 bar	300	4,557	99113952
TPE 100-240/2	7.5	16	100mm Flanged	0-4 bar	300	5,435	99113964
TPE 100-250/2	11	16	100mm Flanged	0-4 bar	300	6,117	99113965
TPE 100-310/2	15	16	100mm Flanged	0-4 bar	300	8,834	99113966
TPE 100-360/2	18.5	16	100mm Flanged	0-6 bar	300	10,130	96110297
TPE 100-390/2	22	16	100mm Flanged	0-6 bar	300	12,165	96110298
						13,786	96110299
TPE 125-310/2	22	16	125mm Flanged	0-6 bar	300	13,028	99147952

SERIES 1000 TPE PUMPS

Transducers are not included with the pump but are optional extras listed on Page 39. One transducer is required for a single TPE 1000 pump. If required, select the appropriate differential pressure transducer according to the size indicated.

These units are NOT SUITABLE for systems where power on/off control is a function of the plant room control. Digital stop/start is acceptable.

ELECTRIC MOTOR

380-500V / 3ph / 50Hz with IE5 efficiency up to 11kW

380-480V / 3ph / 50Hz from 15kW and above

IP55 Class F insulation

IMPORTANT:

A Grundfos GO based communication device will be required in order to commission the "E" product. See Page 40 for details.

This device can be used to commission and monitor multiple pumps on multiple sites

BASEPLATES

When applicable, baseplates for TP(E)(D) are available as an accessory. Selection is as for equivalent fixed speed model. See page 31 for codes and prices.



CATEGORY 1 - TPE SERIES 1000 SINGLE STAGE TWIN HEAD IN LINE PUMPS

SERIES 1000 CAST IRON PUMPS COMPLETE WITH 4 POLES VARIABLE SPEED ELECTRIC MOTOR

						380-480/500V 3ph 50Hz	
	P2	PN	Pipework	Transducer	Design	£	Product Code
Model	kW	bar	Connection	Range	series		A F A BQQE
TPED 65-240/4	4	16	65mm Flanged	0-4 bar	300		9,939 99114625
TPED 80-150/4	3	16	80mm Flanged	0-2.5 bar	300		8,794 99114626
TPED 80-170/4	4	16	80mm Flanged	0-2.5 bar	300		10,565 99114627
TPED 80-240/4	5.5	16	80mm Flanged	0-4 bar	300		12,374 99114628
TPED 80-270/4	7.5	16	80mm Flanged	0-4 bar	300		13,937 99114629
TPED 80-340/4	11	16	80mm Flanged	0-4 bar	300		17,426 96110246
							A F A BQQE
TPED 100-65/4	1.1	16	100mm Flanged	0-1 bar	300		7,953 99476475
TPED 100-70/4	1.5	16	100mm Flanged	0-1 bar	300		8,235 99114630
TPED 100-90/4	2.2	16	100mm Flanged	0-1.6 bar	300		9,247 99114631
TPED 100-110/4	3	16	100mm Flanged	0-1.6 bar	300		10,205 99114632
TPED 100-130/4	4	16	100mm Flanged	0-2.5 bar	300		11,519 99114633
TPED 100-170/4	5.5	16	100mm Flanged	0-2.5 bar	300		13,074 99114634
TPED 100-200/4	7.5	16	100mm Flanged	0-2.5 bar	300		14,931 99114635
TPED 100-250/4	11	16	100mm Flanged	0-4 bar	300		18,561 96110473
TPED 100-330/4	15	16	100mm Flanged	0-4 bar	300		POA 96110474
TPED 100-370/4	18.5	16	100mm Flanged	0-6 bar	300		POA 96110475
TPED 125-110/4	4	16	125mm Flanged	0-1.6 bar	300		11,811 99114636
TPED 125-130/4	5.5	16	125mm Flanged	0-1.6 bar	300		13,298 99114637
TPED 125-160/4	7.5	16	125mm Flanged	0-2.5 bar	300		16,792 99114638
TPED 125-190/4	11	16	125mm Flanged	0-4 bar	300		19,306 98743760
TPED 125-230/4	15	16	125mm Flanged	0-4 bar	300		POA 98743718
TPED 125-300/4	18.5	16	125mm Flanged	0-4 bar	300		POA 98742617
TPED 150-130/4	7.5	16	150mm Flanged	0-1.6 bar	300		17,910 99114639
TPED 150-160/4	11	16	150mm Flanged	0-2.5 bar	300		POA 96110661
TPED 150-200/4	15	16	150mm Flanged	0-2.5 bar	300		POA 96110662
TPED 150-220/4	18.5	16	150mm Flanged	0-4 bar	300		POA 96110663

SERIES 1000 TPED PUMPS

Transducers are not included with the pump but are optional extras listed on Page 39.

If required, select the appropriate differential pressure transducer according to the size indicated.

Two transducers are required for a Twin TPED Series 1000 pump.

The extra fittings kit will allow two differential pressure transducers to be fitted on to the suction and discharge flanges - see page 39

These units are NOT SUITABLE for systems where power on/off control is a function of the plant room control. Digital stop/start is acceptable.

ELECTRIC MOTOR

380-500V / 3ph / 50Hz with IE5 efficiency up to 7.5kW

380-480V / 3ph / 50Hz from 11kW and above

IP55 Class F insulation

IMPORTANT:

A Grundfos GO based communication device will be required in order to commission the "E" product. See Page 40 for details.

This device can be used to commission and monitor multiple pumps on multiple sites

BASEPLATES

When applicable, baseplates for TP(E)(D) are available as an accessory. Selection is as for equivalent fixed speed model. See page 31 for codes and prices.



CATEGORY 1 - TPE SERIES 1000 SINGLE STAGE TWIN HEAD IN LINE PUMPS

SERIES 1000 CAST IRON PUMPS COMPLETE WITH 2 POLES VARIABLE SPEED ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Transducer Range	Design series	230V 1ph 50Hz		380-480/500V 3ph 50Hz	
						£	Product Code	£	Product Code
						A F A BQQE		A F A BQQE	
TPED 32-230/2	0.75	6/10	32mm Flanged	0-4 bar	200	4,453	99114820	5,165	99114829
TPED 32-200/2	1.1	16	32mm Flanged	0-4 bar	300	4,866	98512481	5,581	98512486
TPED 32-250/2	1.5	16	32mm Flanged	0-4 bar	300	5,058	99134547	6,054	98112529
TPED 32-320/2	2.2	16	32mm Flanged	0-4 bar	300	-	-	6,869	98112551
TPED 32-380/2	3	16	32mm Flanged	0-6 bar	300	-	-	7,742	99114598
TPED 32-460/2	4	16	32mm Flanged	0-6 bar	300	-	-	8,424	99114599
TPED 32-580/2	5.5	16	32mm Flanged	0-10 bar	300	-	-	9,923	99114600
TPED 40-270/2	1.5	6/10	40mm Flanged	0-4 bar	200	4,916	99134431	5,913	99238980
TPED 40-300/2	3	16	40mm Flanged	0-4 bar	300	-	-	7,880	99114601
TPED 40-360/2	4	16	40mm Flanged	0-6 bar	300	-	-	8,950	99114602
TPED 40-430/2	5.5	16	40mm Flanged	0-6 bar	300	-	-	10,615	99114603
TPED 40-530/2	7.5	16	40mm Flanged	0-10 bar	300	-	-	12,090	99114604
TPED 40-630/2	11	16	40mm Flanged	0-10 bar	300	-	-	16,262	99114605
TPED 50-290/2	3	16	50mm Flanged	0-4 bar	300	-	-	7,916	99114606
TPED 50-360/2	4	16	50mm Flanged	0-6 bar	300	-	-	9,055	99114607
TPED 50-430/2	5.5	16	50mm Flanged	0-6 bar	300	-	-	11,076	99114608
TPED 50-420/2	7.5	16	50mm Flanged	0-6 bar	300	-	-	12,226	99114609
TPED 50-540/2	11	16	50mm Flanged	0-10 bar	300	-	-	16,397	99114610
TPED 50-630/2	15	16	50mm Flanged	0-10 bar	300	-	-	18,320	98742809
TPED 50-710/2	15	16	50mm Flanged	0-10 bar	300	-	-	18,664	96096500
TPED 50-830/2	18.5	16	50mm Flanged	0-10 bar	300	-	-	POA	96096501
TPED 50-900/2	22	16	50mm Flanged	0-16 bar	300	-	-	POA	96096502
TPED 65-210/2	3	16	65mm Flanged	0-4 bar	300	-	-	7,951	99114611
TPED 65-250/2	4	16	65mm Flanged	0-4 bar	300	-	-	9,076	99114612
TPED 65-340/2	5.5	16	65mm Flanged	0-4 bar	300	-	-	11,189	99114613
TPED 65-410/2	7.5	16	65mm Flanged	0-6 bar	300	-	-	12,606	99114614
TPED 65-460/2	11	16	65mm Flanged	0-6 bar	300	-	-	16,865	99114615
TPED 65-550/2	15	16	65mm Flanged	0-10 bar	300	-	-	POA	96096659
TPED 65-660/2	18.5	16	65mm Flanged	0-10 bar	300	-	-	POA	96096660
TPED 65-720/2	22	16	65mm Flanged	0-10 bar	300	-	-	POA	96096661
TPED 80-180/2	3	16	80mm Flanged	0-2.5 bar	300	-	-	8,233	99114616
TPED 80-210/2	4	16	80mm Flanged	0-2.5 bar	300	-	-	9,307	99114617
TPED 80-240/2	5.5	16	80mm Flanged	0-4 bar	300	-	-	9,991	99114618
TPED 80-250/2	7.5	16	80mm Flanged	0-4 bar	300	-	-	12,747	99114619
TPED 80-330/2	11	16	80mm Flanged	0-4 bar	300	-	-	17,077	99114620
TPED 80-400/2	15	16	80mm Flanged	0-6 bar	300	-	-	18,554	96110128
TPED 80-520/2	18.5	16	80mm Flanged	0-10 bar	300	-	-	POA	96110129
TPED 80-570/2	22	16	80mm Flanged	0-10 bar	300	-	-	POA	96110130
TPED 100-120/2	2.2	6	100mm Flanged	0-1.6 bar	200	-	-	AI F A BQQE	
								8,660	98958243
								A F A BQQE	
TPED 100-160/2	4	16	100mm Flanged	0-2.5 bar	300	-	-	9,071	99114621
TPED 100-200/2	5.5	16	100mm Flanged	0-4 bar	300	-	-	10,812	99114622
TPED 100-240/2	7.5	16	100mm Flanged	0-4 bar	300	-	-	12,175	99114623
TPED 100-250/2	11	16	100mm Flanged	0-4 bar	300	-	-	17,356	99114624
TPED 100-310/2	15	16	100mm Flanged	0-4 bar	300	-	-	19,930	96110346
TPED 100-360/2	18.5	16	100mm Flanged	0-6 bar	300	-	-	POA	96110347
TPED 100-390/2	22	16	100mm Flanged	0-6 bar	300	-	-	POA	96110348

SERIES 1000 TPED PUMPS

Standard variable speed TPED pump casings are cast iron with heating and glycol seal options.

DP Transducers are not included with the pump but are optional extras listed on Page 39.

If required, select the appropriate sensor according to the size indicated

Two transducers are required for a Twin TPED Series 1000 pump

The extra fittings kit will allow two differential pressure transducers to be fitted on to the suction and discharge flanges - see page 39

These units are NOT SUITABLE for systems where power on/off control is a function of the plant room control. Digital stop/start is acceptable.

ELECTRIC MOTOR

220-240V / 1ph / 50Hz with IE5 efficiency

380-500V / 3ph / 50Hz with IE5 efficiency up to 11kW

380-480V / 3ph / 50Hz from 15kW and above

IP55 Class F insulation

IMPORTANT:

A Grundfos GO based communication device will be required in order to commission the "E" product. See Page 40 for details.

This device can be used to commission and monitor multiple pumps on multiple sites

BASEPLATES

When applicable, baseplates for TP(E)(D) are available as an accessory. Selection is as for equivalent fixed speed model. See page 31 for codes and prices.



CATEGORY 1 - TPE SERIES 2000 SINGLE STAGE SINGLE HEAD IN LINE PUMPS

SERIES 2000 CAST IRON PUMPS COMPLETE WITH 4 POLES VARIABLE SPEED ELECTRIC MOTOR AND INTEGRAL SENSOR

Model	P2 kW	PN bar	Pipework Connection	Design series	380-480/500V 3ph 50Hz	
					£	Product Code
					A F A BQQE	
TPE 65-240/4-S	4	16	65mm Flanged	300	5,729	99114825
TPE 80-150/4-S	3	16	80mm Flanged	300	5,158	99114826
TPE 80-170/4-S	4	16	80mm Flanged	300	6,046	99114830
TPE 80-240/4-S	5.5	16	80mm Flanged	300	6,954	99114831
TPE 80-270/4-S	7.5	16	80mm Flanged	300	7,740	99114832
TPE 80-340/4-S	11	16	80mm Flanged	300	9,606	96275968
TPE 100-65/4-S	1.1	16	100mm Flanged	300	4,738	99478030
TPE 100-70/4-S	1.5	16	100mm Flanged	300	4,879	99114813
TPE 100-90/4-S	2.2	16	100mm Flanged	300	5,387	99114815
TPE 100-110/4-S	3	16	100mm Flanged	300	5,870	99114816
TPE 100-130/4-S	4	16	100mm Flanged	300	6,529	99114811
TPE 100-170/4-S	5.5	16	100mm Flanged	300	7,465	99114812
TPE 100-200/4-S	7.5	16	100mm Flanged	300	8,416	99114808
TPE 100-250/4-S	11	16	100mm Flanged	300	10,386	96276046
TPE 100-330/4-S	15	16	100mm Flanged	300	11,816	96276052
TPE 100-370/4-S	18.5	16	100mm Flanged	300	13,806	96276058
TPE 125-60/4-S	2.2	16	125mm Flanged	300	5,419	99114752
TPE 125-80/4-S	3	16	125mm Flanged	300	6,028	99114806
TPE 125-95/4-S	4	16	125mm Flanged	300	6,783	99114807
TPE 125-110/4-S	4	16	125mm Flanged	300	6,826	99114726
TPE 125-130/4-S	5.5	16	125mm Flanged	300	7,581	99114727
TPE 125-160/4-S	7.5	16	125mm Flanged	300	9,398	99114728
TPE 125-190/4-S	11	16	125mm Flanged	300	10,776	98743757
TPE 125-230/4-S	15	16	125mm Flanged	300	12,090	98743715
TPE 125-300/4-S	18.5	16	125mm Flanged	300	14,042	98742614
TPE 150-70/4-S	5.5	16	150mm Flanged	300	8,046	99114732
TPE 150-110/4-S	7.5	16	150mm Flanged	300	9,903	99114733
TPE 150-130/4-S	7.5	16	150mm Flanged	300	9,984	99114734
TPE 150-155/4-S	11	16	150mm Flanged	300	11,514	98908279
TPE 150-170/4-S	15	16	150mm Flanged	300	12,739	98908258
TPE 150-200/4-S	15	16	150mm Flanged	300	12,875	96382690
TPE 150-220/4-S	18.5	16	150mm Flanged	300	14,669	96382693
TPE 150-260/4-S	18.5	16	150mm Flanged	300	15,220	96306319
TPE 200-50/4-S	4	16	200mm Flanged	300	8,424	99114833
TPE 200-70/4-S	5.5	16	200mm Flanged	300	9,472	99114834
TPE 200-90/4-S	7.5	16	200mm Flanged	300	11,322	99114835
TPE 200-130/4-S	11	16	200mm Flanged	300	13,554	97927581
TPE 200-150/4-S	15	16	200mm Flanged	300	14,631	97927580
TPE 200-160/4-S	15	16	200mm Flanged	300	14,631	97927586
TPE 200-190/4-S	18.5	16	200mm Flanged	300	15,841	97927585

SERIES 2000 TPE PUMPS

These pumps are supplied with a single differential pressure transducer and are pre-programmed for close loop control.

These units are NOT RECOMMENDED for % speed change (uncontrolled mode) from an external analogue source (BMS). Use TPE2 or TPE series 1000 for this application.

These units are NOT SUITABLE for systems where power on/off control is a function of the plant room control. Digital stop/start is acceptable.

ELECTRIC MOTOR

380-500V / 3ph / 50Hz with IE5 efficiency up to 7.5kW

380-480V / 3ph / 50Hz from 11kW and above

IP55 Class F insulation

IMPORTANT:

A Grundfos GO based communication device will be required in order to commission the "E" product. See Page 40 for details.

This device can be used to commission and monitor multiple pumps on multiple sites.

BASEPLATES

When applicable, baseplates for TP(E)(D) are available as an accessory. Selection is as for equivalent fixed speed model. See page 31 for codes and prices.



CATEGORY 1 - TPE SERIES 2000 SINGLE STAGE SINGLE HEAD IN LINE PUMPS

SERIES 2000 CAST IRON PUMPS COMPLETE WITH 2 POLES VARIABLE SPEED ELECTRIC MOTOR AND INTEGRAL SENSOR

Model	P2 kW	PN bar	Pipework Connection	Design series	230V 1ph 50Hz		380-480/500V 3ph 50Hz	
					£	Product Code	£	Product Code
					A F A BQQE		A F A BQQE	
TPE 32-230/2-S	0.75	6/10	32mm Flanged	200	3,073	99133750	3,453	99133770
TPE 32-200/2-S	1.1	16	32mm Flanged	300	3,180	99133585	3,540	99133562
TPE 32-250/2-S	1.5	16	32mm Flanged	300	3,306	99133586	3,777	99133573
TPE 32-320/2-S	2.2	16	32mm Flanged	300	-	-	4,187	99133574
TPE 32-380/2-S	3	16	32mm Flanged	300	-	-	4,624	99114655
TPE 32-460/2-S	4	16	32mm Flanged	300	-	-	4,964	99114656
TPE 32-580/2-S	5.5	16	32mm Flanged	300	-	-	5,719	99114657
TPE 40-270/2-S	1.5	6/10	40mm Flanged	200	3,293	99134456	3,764	99133662
TPE 40-300/2-S	3	16	40mm Flanged	300	-	-	4,695	99114658
TPE 40-360/2-S	4	16	40mm Flanged	300	-	-	5,231	99114659
TPE 40-430/2-S	5.5	16	40mm Flanged	300	-	-	6,182	99114660
TPE 40-530/2-S	7.5	16	40mm Flanged	300	-	-	6,927	99114661
TPE 40-630/2-S	11	16	40mm Flanged	300	-	-	9,176	99114662
TPE 50-290/2-S	3	16	50mm Flanged	300	-	-	4,713	99114663
TPE 50-360/2-S	4	16	50mm Flanged	300	-	-	5,284	99114664
TPE 50-430/2-S	5.5	16	50mm Flanged	300	-	-	6,303	99114665
TPE 50-420/2-S	7.5	16	50mm Flanged	300	-	-	6,997	99114666
TPE 50-540/2-S	11	16	50mm Flanged	300	-	-	9,249	99114668
TPE 50-630/2-S	15	16	50mm Flanged	300	-	-	10,225	98742806
TPE 50-710/2-S	15	16	50mm Flanged	300	-	-	10,225	96397037
TPE 50-830/2-S	18.5	16	50mm Flanged	300	-	-	12,296	96397040
TPE 50-900/2-S	22	16	50mm Flanged	300	-	-	13,881	96397043
TPE 65-210/2-S	3	16	65mm Flanged	300	-	-	4,730	99114669
TPE 65-250/2-S	4	16	65mm Flanged	300	-	-	5,294	99114670
TPE 65-340/2-S	5.5	16	65mm Flanged	300	-	-	6,358	99114671
TPE 65-410/2-S	7.5	16	65mm Flanged	300	-	-	7,070	99114672
TPE 65-460/2-S	11	16	65mm Flanged	300	-	-	9,322	99114673
TPE 65-550/2-S	15	16	65mm Flanged	300	-	-	10,794	96397049
TPE 65-660/2-S	18.5	16	65mm Flanged	300	-	-	12,686	96397052
TPE 65-720/2-S	22	16	65mm Flanged	300	-	-	14,140	96397055
TPE 80-180/2-S	3	16	80mm Flanged	300	-	-	4,874	99114674
TPE 80-210/2-S	4	16	80mm Flanged	300	-	-	5,412	99114719
TPE 80-240/2-S	5.5	16	80mm Flanged	300	-	-	5,852	99114720
TPE 80-250/2-S	7.5	16	80mm Flanged	300	-	-	7,141	99114721
TPE 80-330/2-S	11	16	80mm Flanged	300	-	-	9,428	99114722
TPE 80-400/2-S	15	16	80mm Flanged	300	-	-	10,168	96275644
TPE 80-520/2-S	18.5	16	80mm Flanged	300	-	-	12,238	96397058
TPE 80-570/2-S	22	16	80mm Flanged	300	-	-	14,379	96397061
TPE 100-120/2-S	2.2	6	100mm Flanged	200	-	-	5,313	99133670
TPE 100-160/2-S	4	16	100mm Flanged	300	-	-	5,291	99114836
TPE 100-200/2-S	5.5	16	100mm Flanged	300	-	-	6,169	99114837
TPE 100-240/2-S	7.5	16	100mm Flanged	300	-	-	6,851	99114838
TPE 100-250/2-S	11	16	100mm Flanged	300	-	-	9,569	99114824
TPE 100-310/2-S	15	16	100mm Flanged	300	-	-	10,864	96275686
TPE 100-360/2-S	18.5	16	100mm Flanged	300	-	-	12,900	96275692
TPE 100-390/2-S	22	16	100mm Flanged	300	-	-	14,520	96275698

SERIES 2000 TPE PUMPS

These pumps are supplied with a single differential pressure transducer and are pre-programmed for close loop control.

These units are NOT RECOMMENDED for % speed change (uncontrolled mode) from an external analogue source (BMS). Use TPE2 or TPE series 1000 for this application.

These units are NOT SUITABLE for systems where power on/off control is a function of the plant room control. Digital stop/start is acceptable.

ELECTRIC MOTOR

380-500V / 3ph / 50Hz with IE5 efficiency up to 11kW

380-480V / 3ph / 50Hz from 15kW and above

IP55 Class F insulation

IMPORTANT:

A Grundfos GO based communication device will be required in order to commission the "E" product. See Page 40 for details.

This device can be used to commission and monitor multiple pumps on multiple sites

BASEPLATES

When applicable, baseplates for TP(E)(D) are available as an accessory. Selection is as for equivalent fixed speed model. See page 31 for codes and prices.



CATEGORY 1 - TPED SERIES 2000 SINGLE STAGE TWIN HEAD IN LINE PUMPS

SERIES 2000 CAST IRON PUMPS COMPLETE WITH 4 POLES VARIABLE SPEED ELECTRIC MOTOR AND INTEGRAL SENSOR

Model	P2 kW	PN bar	Pipework Connection	Design series	380-480/500V 3ph 50Hz	
					£	Product Code
					A F A BQQE	
TPED 65-240/4-S	4	16	65mm Flanged	300	10,673	99132851
TPED 80-150/4-S	3	16	80mm Flanged	300	9,528	99132853
TPED 80-170/4-S	4	16	80mm Flanged	300	11,300	99132855
TPED 80-240/4-S	5.5	16	80mm Flanged	300	13,109	99132856
TPED 80-270/4-S	7.5	16	80mm Flanged	300	14,671	99132857
TPED 80-340/4-S	11	16	80mm Flanged	300	18,161	96945801
TPED 100-65/4-S	1.1	16	100mm Flanged	300	8,688	99478033
TPED 100-70/4-S	1.5	16	100mm Flanged	300	8,970	99132858
TPED 100-90/4-S	2.2	16	100mm Flanged	300	9,981	99132859
TPED 100-110/4-S	3	16	100mm Flanged	300	10,940	99132860
TPED 100-130/4-S	4	16	100mm Flanged	300	12,253	99132861
TPED 100-170/4-S	5.5	16	100mm Flanged	300	13,808	99132862
TPED 100-200/4-S	7.5	16	100mm Flanged	300	15,665	99132863
TPED 100-250/4-S	11	16	100mm Flanged	300	19,296	96945808
TPED 100-330/4-S	15	16	100mm Flanged	300	POA	96945815
TPED 100-370/4-S	18.5	16	100mm Flanged	300	POA	96945836
TPED 125-110/4-S	4	16	125mm Flanged	300	12,545	99132864
TPED 125-130/4-S	5.5	16	125mm Flanged	300	14,032	99132865
TPED 125-160/4-S	7.5	16	125mm Flanged	300	17,527	99132866
TPED 125-190/4-S	11	16	125mm Flanged	300	POA	98743766
TPED 125-230/4-S	15	16	125mm Flanged	300	POA	98743724
TPED 125-300/4-S	18.5	16	125mm Flanged	300	POA	98742623
TPED 150-130/4-S	7.5	16	150mm Flanged	300	18,644	99132868
TPED 150-160/4-S	11	16	150mm Flanged	300	POA	96946129
TPED 150-200/4-S	15	16	150mm Flanged	300	POA	96945832
TPED 150-220/4-S	18.5	16	150mm Flanged	300	POA	96945842

SERIES 2000 TPED PUMPS

These twin pumps are supplied with a single differential pressure transducer and are pre-programmed for close loop control.

These units are NOT RECOMMENDED for % speed change (uncontrolled mode) from an external analogue source (BMS). Use TPE2 D or TPED series 1000 for this application.

These units are designed for master and slave operation and are NOT SUITABLE for systems where power on/off control is a function of the plant room control.

Digital stop/start to both pump heads simultaneously is acceptable.

If independent pump operation is required then the slave pump must be fitted with an additional differential pressure transducer.

The extra fittings kit will allow two differential pressure transducers to be fitted on to the suction and discharge flanges - see page 39

ELECTRIC MOTOR

380-500V / 3ph / 50Hz with IE5 efficiency up to 7.5kW

380-480V / 3ph / 50Hz from 11kW and above

IP55 Class F insulation

IMPORTANT:

A Grundfos GO based communication device will be required in order to commission the "E" product. See Page 40 for details.

This device can be used to commission and monitor multiple pumps on multiple sites

BASEPLATES

When applicable, baseplates for TP(E)(D) are available as an accessory. Selection is as for equivalent fixed speed model. See page 31 for codes and prices.



CATEGORY 1 - TPED SERIES 2000 SINGLE STAGE TWIN HEAD IN LINE PUMPS

SERIES 2000 CAST IRON PUMPS COMPLETE WITH 2 POLES VARIABLE SPEED ELECTRIC MOTOR AND INTEGRAL SENSOR

Model	P2 kW	PN bar	Pipework Connection	Design series	230V 1ph 50Hz		380-480/500V 3ph 50Hz	
					£	Product Code	£	Product Code
					A F A BQQE		A F A BQQE	
TPED 32-230/2-S	0.75	6/10	32mm Flanged	200	5,188	99133613	6,133	99133609
TPED 32-200/2-S	1.1	16	32mm Flanged	300	5,601	99133596	6,315	99133591
TPED 32-250/2-S	1.5	16	32mm Flanged	300	5,792	99133598	6,788	99133592
TPED 32-320/2-S	2.2	16	32mm Flanged	300	-	-	7,604	99133593
TPED 32-380/2-S	3	16	32mm Flanged	300	-	-	8,477	99132803
TPED 32-460/2-S	4	16	32mm Flanged	300	-	-	9,159	99132804
TPED 32-580/2-S	5.5	16	32mm Flanged	300	-	-	10,658	99132805
TPED 40-270/2-S	1.5	6/10	40mm Flanged	200	5,651	99134474	6,910	99133715
TPED 40-300/2-S	3	16	40mm Flanged	300	-	-	8,615	99132806
TPED 40-360/2-S	4	16	40mm Flanged	300	-	-	9,684	99132807
TPED 40-430/2-S	5.5	16	40mm Flanged	300	-	-	11,350	99132808
TPED 40-530/2-S	7.5	16	40mm Flanged	300	-	-	12,825	99132809
TPED 40-630/2-S	11	16	40mm Flanged	300	-	-	16,996	99132811
TPED 50-290/2-S	3	16	50mm Flanged	300	-	-	8,650	99132812
TPED 50-360/2-S	4	16	50mm Flanged	300	-	-	9,790	99132823
TPED 50-430/2-S	5.5	16	50mm Flanged	300	-	-	11,811	99132824
TPED 50-420/2-S	7.5	16	50mm Flanged	300	-	-	12,960	99132825
TPED 50-540/2-S	11	16	50mm Flanged	300	-	-	17,132	99132829
TPED 50-630/2-S	15	16	50mm Flanged	300	-	-	19,054	98742815
TPED 50-710/2-S	15	16	50mm Flanged	300	-	-	19,399	96945769
TPED 50-830/2-S	18.5	16	50mm Flanged	300	-	-	POA	96945778
TPED 50-900/2-S	22	16	50mm Flanged	300	-	-	POA	96945790
TPED 65-210/2-S	3	16	65mm Flanged	300	-	-	8,686	99132830
TPED 65-250/2-S	4	16	65mm Flanged	300	-	-	9,810	99132831
TPED 65-340/2-S	5.5	16	65mm Flanged	300	-	-	11,924	99132832
TPED 65-410/2-S	7.5	16	65mm Flanged	300	-	-	13,340	99132834
TPED 65-460/2-S	11	16	65mm Flanged	300	-	-	17,600	99132835
TPED 65-550/2-S	15	16	65mm Flanged	300	-	-	POA	96945772
TPED 65-660/2-S	18.5	16	65mm Flanged	300	-	-	POA	96945781
TPED 65-720/2-S	22	16	65mm Flanged	300	-	-	POA	96945793
TPED 80-180/2-S	3	16	80mm Flanged	300	-	-	8,967	99132837
TPED 80-210/2-S	4	16	80mm Flanged	300	-	-	10,042	99132838
TPED 80-240/2-S	5.5	16	80mm Flanged	300	-	-	10,726	99132839
TPED 80-250/2-S	7.5	16	80mm Flanged	300	-	-	13,481	99132840
TPED 80-330/2-S	11	16	80mm Flanged	300	-	-	17,811	99132842
TPED 80-400/2-S	15	16	80mm Flanged	300	-	-	19,288	96945763
TPED 80-520/2-S	18.5	16	80mm Flanged	300	-	-	POA	96945784
TPED 80-570/2-S	22	16	80mm Flanged	300	-	-	POA	96945797
TPED 100-120/2-S	2.2	6	100mm Flanged	200	-	-	AI F A BQQE	
							9,766	99133716
TPED 100-160/2-S	4	16	100mm Flanged	300	-	-	A F A BQQE	
TPED 100-200/2-S	5.5	16	100mm Flanged	300	-	-	9,805	99132844
TPED 100-240/2-S	7.5	16	100mm Flanged	300	-	-	11,546	99132845
TPED 100-250/2-S	11	16	100mm Flanged	300	-	-	12,910	99132847
TPED 100-310/2-S	15	16	100mm Flanged	300	-	-	18,091	99132849
TPED 100-360/2-S	18.5	16	100mm Flanged	300	-	-	POA	96945766
TPED 100-390/2-S	22	16	100mm Flanged	300	-	-	POA	96945775
							POA	96945787

SERIES 2000 TPED PUMPS

These twin pumps are supplied with a single differential pressure transducer and are pre-programmed for close loop control.

These units are NOT RECOMMENDED for % speed change (uncontrolled mode) from an external analogue source (BMS). Use TPE2 D or TPED series 1000 for this application.

These units are designed for master and slave operation and are NOT SUITABLE for systems where power on/off control is a function of the plant room control.

Digital stop/start to both pump heads simultaneously is acceptable.

If independent pump operation is required then the slave pump must be fitted with an additional differential pressure transducer.

The extra fittings kit will allow two differential pressure transducers to be fitted on to the suction and discharge flanges - see page 39

ELECTRIC MOTOR

380-500V / 3ph / 50Hz with IE5 efficiency up to 11kW

380-480V / 3ph / 50Hz from 15kW and above

IP55 Class F insulation

IMPORTANT:

A Grundfos GO based communication device will be required in order to commission the "E" product. See Page 40 for details.

This device can be used to commission and monitor multiple pumps on multiple sites

BASEPLATES

When applicable, baseplates for TP(E)(D) are available as an accessory. Selection is as for equivalent fixed speed model. See page 31 for codes and prices.



CATEGORY 1 - ACCESSORIES AND ANCILLARY EQUIPMENT

FLANGE SETS - SCREWED

UP/MAGNA/TP

Item	Pumps	£	Product Code
1½" BSP Flange Set	UP36F	55	509903
1½" BSP Flange Set	UP36F	59	509904
2" BSP Flange Set	UP36F	60	509905
2" BSP Special Flange Set	UPS40	170	91200212
1½" BSP PN10/16 Flange Set	MAGNAx/TP 32	81	539703
1½" BSP PN10/16 Flange Set	MAGNAx/TP 40	89	539701
2" BSP PN10/16 Flange Set	MAGNAx/TP 50	108	549801
2½" BSP PN10/16 Flange Set	MAGNAx/TP 65	122	559801
3" BSP PN6 Flange Set	MAGNAx/TP 80	136	569902
3" BSP PN10/16 Flange Set	MAGNAx/TP 80	149	569802
4" BSP PN10/16 Flange Set	MAGNAx/TP 100	217	579801

FLANGE SETS - WELD NECK

UP/MAGNA/TP

		£	Product Code
32mm PN10/16 Flange Set	UP/MAGNA/TP 32	68	539704
40mm PN10/16 Flange Set	UP/MAGNA/TP 40	76	539702
50mm PN10/16 Flange Set	UP/MAGNA/TP 50	95	549802
80mm PN6 Flange Set	UPS80/TP80	46	96569180
80mm PN10/16 Flange Set	TP80	136	569801
100mm PN6 Flange Set	UPS100/TP 100	53	96569181
100mm PN10/16 Flange Set	TP 100	203	579802

Each flange set includes two flanges, two gaskets and two sets of nuts and bolts.

BLANKING PLATES FOR TWIN HEAD PUMPS

	£	Product Code
MAGNA1 D 25-40/60/80/100/120	49	98159373
MAGNA1/MAGNA3 D 32-40/60/80/100		
MAGNA1/MAGNA3 D 40-40/60		
MAGNA1/MAGNA3 D 32-120		
MAGNA1/MAGNA3 D 40-80/100/120/150/180	49	98159372
MAGNA1/MAGNA3 D 50-40/60/80/100/120/150/180		
MAGNA1/MAGNA3 D 65-40/60/80/100/120/150		
MAGNA1/MAGNA3 D 80-40/60/80/100/120		
MAGNA1/MAGNA3 D 100-40/60/80/100/120	all models	
TPE2 D/TPE3 D		
TP(E)D 32/40/50/65	206	96591261
TP(E)D 32/40/50/65/80/100	68	565055
TP(E)D 32/40/50/65/80/100	195	96495694
TP(E)D 32/40/50/80	212	96495695
TP(E)D 50/65	261	96495696
TP(E)D 100/125	212	96525962
TP(E)D 150	581	96525963
TP(E)D 80/100/125	633	96525964

Note: Check the current TP data book for the required blanking plate product code for each pump size.

OPTIONAL BASEPLATES COMPLETE WITH HEXAGON SCREWS

Ref.	Pump types	Pump Series	Design	£	Product Code
B1	TP(E) 32 to 65	Series 200	one square base	61	96591246
B2	TP(E) 65 to 100	Series 200	one square base	182	96591245
B3	TP(E) 32 to 100	Series 300 single head	one square base	114	485031
B4	TP(E) 80 to 150	Series 300 single head	one square base	130	96536246
B5	TP(E)D 32 to 100	Series 300 twin head	two separate baseplate runners	125	96489381
B6	TP(E)D 100	Series 300 twin head	two separate baseplate runners	124	96536247
B7	TP(E)D 80 to 150	Series 300 twin head	two separate baseplate runners	137	96536248
	TPE2 D, TPE3 D 32			150	99150053
	TPE2 D, TPE3 D 40			150	99150054
	TPE2 D, TPE3 D 50			150	99150055
	TPE2 D, TPE3 D 65			150	99150056
	TPE2 D, TPE3 D 80			150	99150056
	TPE2 D, TPE3 D 100			150	99150057

Please consult the data book for specific baseplate product codes for each pump model.

Series 100 pumps have no baseplate option.

Series 200 twin pumps have no baseplate option.

Except foot mounted TP Series 300, all other Series 200 and 300 pumps can have baseplates supplied loose at the extra price as indicated above.

Single head TPE2 and TPE3 are for pipework mounting have no baseplate option.

CATEGORY 1 - INSULATION KITS

INSULATION KITS FOR UPS2, ALPHA2L AND ALPHA2

Model	£	Product Code
UPS2 and ALPHA2L xx-xx 130 (except ALPHA2L 20-45)	19	505821
UPS3	19	99270706
ALPHA2L xx-xx 130	20	98091786

INSULATION KITS FOR SINGLE HEAD MAGNA1 AND MAGNA3 PUMPS - FOR COOLING APPLICATIONS

	MAGNA1		MAGNA3	
	£	Product Code	£	Product Code
MAGNAx 25-40/60/80/100/120 (N)	196	98538852	196	98354534
MAGNAx 32-40/60/80/100/120 (N)	208	98538853	221	98354535
MAGNAx 32-40/60/80/100 F (N)	221	98538854	245	98354536
MAGNAx 32-120 F (N)	221	98164595	233	98063287
MAGNAx 40-40/60 F (N)	257	98538855	257	98354537
MAGNAx 40-80/100 F (N)	257	98164597	257	98063288
MAGNAx 40-120/150/180 F (N)	257	98164598	257	98145675
MAGNAx 50-40/60/80 F (N)	287	98164599	287	98063289
MAGNAx 50-100/120/150/180 F (N)	287	98164600	287	98145676
MAGNAx 65-40/60/80/100/120/150 F (N)	309	98538839	309	96913593
MAGNAx 80-40/60/80/100/120 F	343	98538851	356	98134265
MAGNAx 100-40/60/80/100/120 F	394	98164611	346	96913589

INSULATION KITS FOR SINGLE HEAD TPE2 AND TPE3 PUMPS

	HEATING		COOLING	
	£	Product Code	£	Product Code
TPE2, TPE3 32-80/120/150/180/200	51	98159366	233	98063287
TPE2, TPE3 40-80/120/150/180/200/240	51	98159368	257	98145675
TPE2, TPE3 50-60/80/120/150/180/200/240	64	98159367	287	98145676
TPE2, TPE3 65-60/80/120/150/180/200/240	60	98159361	309	96913593
TPE2, TPE3 80-40/120/150/180	90	98159363	356	98134265
TPE2, TPE3 100-40/120/150/180	111	98159362	346	96913589

Insulation kits are made of expanded polystyrene with good insulation qualities and fit around the pump in two or three pieces.

Notes

CATEGORY 1 - GRUNDFOS DOMESTIC WASTEWATER PRODUCTS

STAINLESS STEEL SUBMERSIBLE SUMP PUMPS

UNILIFT KP



Unilift KP

Model	Cable length	Level control	230V 1ph 50Hz	
			£	Product Code
Unilift KP 150 M1	5m	Manual	POA	011H6000
Unilift KP 250 M1	5m	Manual	POA	012H6000
Unilift KP 350 M1	10m	Manual	408	013N6300
Unilift KP 150 A1	5m	Float switch	POA	011H6600
Unilift KP 250 A1	5m	Float switch	POA	012H6600
Unilift KP 350 A1	10m	Float switch	437	013N6800
Unilift KP 150 AV1	5m	Vertical level switch	POA	011H6400
Unilift KP 250 AV1	5m	Vertical level switch	POA	012H6400
Unilift KP 350 AV1	10m	Vertical level switch	499	013N7900

Unilift KP AV1 models are for use with clean water only

			110V 1ph 50Hz	
			£	Product Code
Unilift KP 250 A1	5m	Float switch	383	012C6700

ACCESSORIES

UNILIFT KP

	£	Product Code
10 Metre Hose Kit comprising 1 1/2" lay flat hose and fittings	211	99110020
Non-Return Valve (single)	22	97825322
Non-Return Valve (pack of 10)	57	96578978
Float Switch c/w 3 metres of cable	90	16650
Float Switch c/w 5 metres of cable	89	96590429
Float Switch c/w 10 metres of cable	91	96590420

MULTI-PURPOSE COMPOSITE SUBMERSIBLE DRAINAGE PUMP

UNILIFT CC



Unilift CC

Model		Level control	240V 1ph 50Hz	
			£	Product Code
Unilift CC 5 M1	5m	Manual	166	96280977
Unilift CC 7 M1	10m	Manual	200	96280979
Unilift CC 9 M1	10m	Manual	255	96280981
Unilift CC 5 A1	5m	Float switch	177	96280978
Unilift CC 7 A1	10m	Float switch	209	96280980
Unilift CC 9 A1	10m	Float switch	270	96280982

M=Manual Operation; A=Automatic Operation

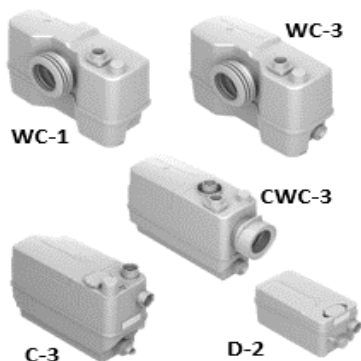


Multibox CC

	£	Product Code
Multibox CC 7 A-1 (a boxed Unilift CC 7, c/w 10m lay flat hose and fittings)	502	97519841

MACERATORS

SOLOLIFT2



Model		230-240V 1ph 50Hz	
		£	Product Code
SOLOLIFT2 WC-1	Behind the toilet' Macerator for the efficient removal of wastewater from a single toilet and sink.	POA	97775329
SOLOLIFT2 WC-3	Behind the toilet Macerator for the efficient removal of wastewater from a toilet, sink and shower. Please contact Grundfos regarding a bath installation.	POA	97775330
SOLOLIFT2 CWC-3	Macerator for the efficient removal of wastewater from a wall hung toilet, sink, shower and bidet. Please contact Grundfos regarding a bath installation.	POA	97775331
SOLOLIFT2 C-3	For the efficient removal of wastewater from a dish washer & washing machine, sink and bath.	POA	97775332
SOLOLIFT2 D-2	For the efficient removal of wastewater from a shower and sink.	POA	97775333

Accessories	for unit		£	Product Code
Drain hose	WC-1 WC-3	Allows drain down of unit. Must be fitted during installation.	30	97789093
Hose for Unit Replacement	All units	Length 0.5m, for replacing other manufacturers products.	39	97772316
Alarm PCB	WC-1/3 CWC-3	Audible indication of excessive running time due to blockage.	78	97772315
Pipe reducer inlet/outlet	All units	Reducer converts 1 1/2" connection to 1 1/4" (36mm OD pipe)	26	97775336
Additional inlet kit D40/40/32	D-2	Flexible reducer, connects 1 1/2" pipe to 2nd inlet on D2	34	97775334

CATEGORY 1 - UNILIFT AP STAINLESS STEEL WASTEWATER PUMPS

STAINLESS STEEL SUBMERSIBLE SUMP PUMPS

UNILIFT AP

240V 1ph 50Hz

Model	P2 (kW)	Discharge	Level control	£	Product Code
Unilift AP 12.40.04.1	0.40	Rp 1" ½	Manual	813	96011014
Unilift AP 12.40.06.1	0.60	Rp 1" ½	Manual	850	96001732
Unilift AP 12.40.08.1	0.80	Rp 1" ½	Manual	945	96001873
Unilift AP 12.50.11.1	1.10	Rp 2"	Manual	1,333	96001962
Unilift AP 12.40.04.A1	0.40	Rp 1" ½	Float switch	881	96404179
Unilift AP 12.40.06.A1	0.60	Rp 1" ½	Float switch	939	96404180
Unilift AP 12.40.08.A1	0.80	Rp 1" ½	Float switch	1,035	96404181
Unilift AP 12.50.11.A1	1.10	Rp 2"	Float switch	1,442	96404182
Unilift AP 35.40.06.1	0.60	Rp 1" ½	Manual	952	96001808
Unilift AP 35.40.08.1	0.80	Rp 1" ½	Manual	1,044	96001894
Unilift AP 35.40.06.A1	0.60	Rp 1" ½	Float switch	1,245	96404183
Unilift AP 35.40.08.A1	0.80	Rp 1" ½	Float switch	1,125	96404184
Unilift AP 50.50.08.1	0.80	Rp 2"	Manual	1,370	96010599
Unilift AP 50.50.11.1	1.10	Rp 2"	Manual	2,070	96010581
Unilift AP 50.50.08.A1	0.80	Rp 2"	Float switch	1,495	96404185
Unilift AP 50.50.11.A1	1.10	Rp 2"	Float switch	2,195	96404186



Unilift AP 35

All single phase models have self-contained starters built into the head of the pump and 10m cable.

STAINLESS STEEL WASTE WATER PUMPS

UNILIFT AP

415V 3ph 50Hz

Model	P2 (kW)	Discharge	Level control	Starter	£	Product Code
Unilift AP 12.40.04.3	0.40	Rp 1" ½	Manual	not included	788	96011024
Unilift AP 12.40.06.3	0.60	Rp 1" ½	Manual	not included	823	96001652
Unilift AP 12.40.08.3	0.80	Rp 1" ½	Manual	not included	915	96001791
Unilift AP 12.50.11.3	1.10	Rp 2"	Manual	not included	1,290	96001975
Unilift AP 12.40.04.A3	0.40	Rp 1" ½	Float switch	built-in	976	96011025
Unilift AP 12.40.06.A3	0.60	Rp 1" ½	Float switch	built-in	1,036	96010923
Unilift AP 12.40.08.A3	0.80	Rp 1" ½	Float switch	built-in	1,111	96010925
Unilift AP 12.50.11.A3	1.10	Rp 2"	Float switch	built-in	1,494	96010927
Unilift AP 35.40.06.3	0.60	Rp 1" ½	Manual	not included	923	96000169
Unilift AP 35.40.08.3	0.80	Rp 1" ½	Manual	not included	1,010	96001718
Unilift AP 50.50.08.3	0.80	Rp 2"	Manual	not included	1,327	96010563
Unilift AP 50.50.11.3	1.10	Rp 2"	Manual	not included	2,010	96010562
Unilift AP 35.40.06.A3	0.60	Rp 1" ½	Float switch	built-in	1,123	96010929
Unilift AP 35.40.08.A3	0.80	Rp 1" ½	Float switch	built-in	1,211	96010931
Unilift AP 50.50.08.A3	0.80	Rp 2"	Float switch	built-in	1,535	96010933
Unilift AP 50.50.11.A3	1.10	Rp 2"	Float switch	built-in	2,219	96010935



Unilift AP 35

All 3 phase units require an external starter.
Starters are supplied with all A3 models.

AUTOMATIC CONDENSATE PUMP

CONLIFT

240V 1ph 50Hz

Model	£	Product Code
CONLIFT 1 LS condensate removal pump	POA	98452219
CONLIFT 1 condensate removal pump	POA	97936173



Conlift1



Alarm PCB



PH+ box

Conlift Accessories	£	Product Code
PH + Box	POA	97936176
Hose Ext	POA	97936177
Refill Pack	POA	97936178
Alarm PCB	POA	97936209

CATEGORY 1 - DOMESTIC PRESSURE BOOSTING AND SHOWER PUMP PRODUCTS

GRUNDFOS HOME BOOSTERS



	Maximum Pressure	240V 1ph 50Hz	
		£	Product Code
Home Booster 3.0 bar*	3.6 bar	POA	MD300200
Home Booster 4.5 bar*	5.6 bar	POA	MD450200
Home Booster Spare/Slave 180L Water Tank *		POA	MCST0200
* Pallet quantity = 2			
UPA 15-90N	1/2" Unions	POA	99539153

MAX-E BOOST

240V 1ph 50Hz	Maximum Pressure	£	Product Code
Max-E Boost	5.0 bar	POA	98536448

SCALA1



240V 1ph 50Hz		£	Product Code
SCALA1 3-35	Subject to category Cat3B price and discount		99530424
SCALA1 3-45	Subject to category Cat3B price and discount		99530425
SCALA1 5-55	Subject to category Cat3B price and discount		99530427
Sizing – up to three floors and eight standard domestic outlets			
* Pallet quantity = 14			

SCALA2



240V 1ph 50Hz		£	Product Code
SCALA2 3-45 A	Subject to category Cat3B price and discount		98562865
Sizing – up to three floors and eight standard domestic outlets			
* Pallet quantity = 14			

SCALA1/SCALA2 - ACCESSORIES

	£	Product Code
Connection Hose 1 inch RP/ speedfit	POA	97894516

GRUNDFOS SHOWER PUMPS

WRAS approved product

GRUNDFOS SHOWER PUMPS - STR2 POSITIVE HEAD SHOWER BOOSTER



240V 1ph 50Hz		£	Product Code
Single Impeller Regenerative			
SSR2-2.0 C	2.0 bar	POA	98950218
Twin Impeller Regenerative			
STR2-1.5 C	1.5 bar	POA	98950216
STR2-2.0 C	2.0 bar	POA	98950217
240V 1ph 50Hz			
Universal Single Impeller Regenerative			
SSR2-2.0 CN	2.0 bar	POA	98950231
Universal Twin Impeller Regenerative			
STR2-1.5 CN	1.5 bar	POA	98950219
STR2-2.0 CN	2.0 bar	POA	98950220

GRUNDFOS SHOWER PUMPS - AMAZON POSITIVE HEAD SHOWER BOOSTER



240V 1ph 50Hz		£	Product Code
Positive Single Impeller Brass Heavy Duty Regenerative			
SSP-2.0 B	2.0 bar	POA	96787450
SSP-3.0 B	3.0 bar	POA	96787464
Positive Twin Impeller Brass Heavy Duty Regenerative			
STP-1.5 B	1.5 bar	POA	96787446
STP-2.0 B	2.0 bar	POA	96787462
STP-3.0 B	3.0 bar	POA	96787466
STP-4.0 B	4.0 bar	POA	96787471

GRUNDFOS SHOWER PUMPS - AMAZON UNIVERSAL HEAD SHOWER BOOSTER



240V 1ph 50Hz		£	Product Code
Universal Single Impeller Brass Heavy Duty Regenerative			
SSN-2.0 B	2.0 bar	POA	96787504
SSN-3.0 B	3.0 bar	POA	96787512
Universal Twin Impeller Brass Heavy Duty Regenerative			
STN-1.5 B	1.5 bar	POA	96787503
STN-2.0 B	2.0 bar	POA	96787505
STN-3.0 B	3.0 bar	POA	96788173
STN-4.0 B	4.0 bar	POA	96788176
Universal head equals positive and negative head.			

GRUNDFOS SHOWER PUMPS - ACCESSORIES

		£	Product Code
Surrey Flange 15mm		POA	98381635
Surrey Flange 22mm		POA	98381636
Surrey Flange 15mm	Box of 10	POA	98381638
Surrey Flange 22mm	Box of 10	POA	98381639
22mm York Flange Deflector		POA	98381637

CATEGORY 1 - GRUNDFOS CUE FREQUENCY CONVERTERS WITH RFI FILTER

CUE 380-440V 3ph 50Hz IP20 RFI FILTER CATEGORY C1

kW	Max output current (A)	IP rating	Enclosure type	Standard version		With Safe Torque Off option	
				£	Product Code	£	Product Code
0.55	1.8	IP20	A2	707	99616707	775	99616731
0.75	2.4	IP20	A2	732	99616708	802	99616733
1.1	3	IP20	A2	772	99616709	848	99616734
1.5	4.1	IP20	A2	817	99616710	895	99616735
2.2	5.6	IP20	A2	900	99616711	988	99616736
3	7.2	IP20	A2	990	99616712	1086	99616737
4	10	IP20	A2	1,108	99616713	1214	99616738
5.5	13	IP20	A3	1,281	99616714	1404	99616739
7.5	16	IP20	A3	1,515	99616715	1660	99616740
11	24	IP20	B3	1,728	99616716	1893	99616741
15	32	IP20	B3	1,988	99616717	2179	99616742
18.5	37.5	IP20	B3	2,217	99616718	2427	99616743
22	44	IP20	B4	2,445	99616719	2678	99616744
30	61	IP20	B4	2,961	99616720	3245	99616745
37	73	IP20	B4	3,265	99616721	3576	99616746
45	90	IP20	C3	3,611	99616722	3954	99616747
55	106	IP20	C3	4,493	99616723	4922	99616748
75	147	IP20	C4	5,456	99616724	5975	99616749
90	177	IP20	C4	6,179	99616725	6768	99616750

CUE 380-440V 3ph 50Hz IP21 RFI FILTER CATEGORY C3

kW	Max output current (A)	IP rating	Enclosure type	Standard version		With Safe Torque Off option	
				£	Product Code	£	Product Code
110	212	IP21	D1h	7,141	99616726	7821	99616751
132	260	IP21	D1h	8,202	99616727	8982	99616752
160	315	IP21	D2h	9,549	99616728	10456	99616753
200	395	IP21	D2h	11,474	99616729	12565	99616754
250	480	IP21	D2h	13,882	99616730	15201	99616755

CUE 380-440V 3ph 50Hz IP55 RFI FILTER CATEGORY C1

kW	Max output current (A)	IP rating	Enclosure type	Standard version		With Safe Torque Off option	
				£	Product Code	£	Product Code
0.55	1.8	IP55	A4	883	99616756	1326	99616781
0.75	2.4	IP55	A4	913	99616757	1359	99616782
1.1	3	IP55	A4	963	99616758	1414	99616783
1.5	4.1	IP55	A4	1,021	99616759	1482	99616784
2.2	5.6	IP55	A4	1,123	99616760	1607	99616785
3	7.2	IP55	A4	1,236	99616761	1740	99616786
4	10	IP55	A4	1,384	99616762	1903	99616787
5.5	13	IP55	A5	1,600	99616763	2151	99616788
7.5	16	IP55	A5	1,891	99616764	2475	99616789
11	24	IP55	B1	2,159	99616765	2989	99616790
15	32	IP55	B1	2,482	99616766	3358	99616791
18.5	37.5	IP55	B1	2,766	99616767	3706	99616792
22	44	IP55	B2	3,052	99616769	4052	99616793
30	61	IP55	B2	3,701	99616770	4789	99616794
37	73	IP55	C1	4,080	99616771	5509	99616795
45	90	IP55	C1	4,514	99616772	6056	99616796
55	106	IP55	C1	5,617	99616773	7337	99616797
75	147	IP55	C2	6,820	99616774	9097	99616798
90	177	IP55	C2	7,723	99616775	10181	99616799

CUE 380-440V 3ph 50Hz IP54 RFI FILTER CATEGORY C3

kW	Max output current (A)	IP rating	Enclosure type	Standard version		With Safe Torque Off option	
				£	Product Code	£	Product Code
110	212	IP54	D1h	8,927	99616776	13395	99616800
132	260	IP54	D1h	10,251	99616777	14945	99616801
160	315	IP54	D2h	11,936	99616778	16913	99616802
200	395	IP54	D2h	14,343	99616779	POA	99616803
250	480	IP54	D2h	17,352	99616780	POA	99616804

Wall mounted models may require a back-plate, please contact the sales office for further information.



CATEGORY 1 - GRUNDFOS CUE FREQUENCY CONVERTERS WITH RFI FILTER

CUE 200-240/1/50Hz IP20/21 RFI FILTER CATEGORY C1



kW	Max output		IP	Enclosure type	£	Product Code
	current (A)					
1.1	6.6		IP20	A3	1,297	99616601
1.5	7.5		IP21	B1	1,390	99616602
2.2	10.6		IP21	B1	1,540	99616613
3	12.5		IP21	B1	1,775	99616614
3.7	16.7		IP21	B1	2,065	99616615
5.5	24.2		IP21	B1	2,393	99616616
7.5	30.8		IP21	B2	2,982	99616617

CUE 200-240/1/50Hz IP55 RFI FILTER CATEGORY C1



kW	Max output		IP	Enclosure type	£	Product Code
	current(A)					
1.1	6.6		IP55	A5	1,437	99616618
1.5	7.5		IP55	B1	1,654	99616619
2.2	10.6		IP55	B1	1,925	99616620
3	12.5		IP55	B1	2,155	99616621
3.7	16.7		IP55	B1	2,434	99616622
5.5	24.2		IP55	B1	2,869	99616623
7.5	30.8		IP55	B2	3,440	99616624

All single phase CUE inverters have a 3x200-240V output power supply to drive a 3ph motor.

OUTPUT FILTERS IP20 380-440V 3ph 50Hz

kW	Sine Wave type		dV/dT type	
	£	Product Code	£	Product Code
0.55	422	96754941		TBC
0.75	422	96754941		TBC
1.1	485	96754972		TBC
1.5	485	96754972		TBC
2.2	560	96754973		TBC
3	560	96754973		TBC
4	656	96754974		TBC
5.5	719	96754976		TBC
7.5	719	96754976		TBC
11	1117	96754977	774	97669799
15	1561	96754978	774	97669799
18.5	1561	96754978	774	97669799
22	2730	96755019	774	97669799
30	3230	96755021	1,372	97669869
37	3727	96755032	1,372	97669869
45	5063	97774436	1,372	97669869
55	5063	97774436	2,390	97669896
75	7311	97775142	2,745	97669902
90	7311	97775142	2,745	97669902
110	8831	97775146	3,493	97669905
132	8831	97775146	3,493	97669905
160	11843	97775148	3,493	97669905
200	11843	97775148	4,117	97669906
250	14217	97775149	4,117	97669906

Note: All output filters are IP20 and require to be housed in a protective cabinet.

OUTPUT FILTERS IP20 200-240V 1ph 50Hz

kW	Sine wave type	
	£	Product Code
1.1	560	96754973
1.5	560	96754973
2.2	719	96754976
3	719	96754976
3.7	719	96754976
5.5	1,117	96754977
7.5	1,561	96754978

Note: All output filters are IP20 and require to be housed in a protective cabinet.

Wall mounted models may require a back-plate, please contact the sales office for further information.

ACCESSORIES	£	Product Code
Floor mounting pedestal for D1 & D2 enclosures	1,116	96801230
Sensor input module MCB 114	246	96760901

CATEGORY 1 - VARIABLE SPEED PUMP ACCESSORIES

PRESSURE TRANSDUCER - SINGLE POINT PRESSURE TRANSMITTER FOR OPEN CIRCUIT APPLICATIONS (NO CABLE)



Item	Fittings	Pressure range	£	Product Code
Danfoss MBS 3000	1/2" BSPM	0-2.5 bar	233	99033768
Danfoss MBS 3000	1/2" BSPM	0-4 bar	233	96637450
Danfoss MBS 3000	1/2" BSPM	0-6 bar	233	96637451
Danfoss MBS 3000	1/2" BSPM	0-10 bar	233	96637452
Danfoss MBS 3000	1/2" BSPM	0-16 bar	233	96637453
Danfoss MBS 3000	1/2" BSPM	0-25 bar	233	91072079
Danfoss MBS 3000	1/2" BSPM	0-40 bar	509	96483573
Danfoss MBS 3000	1/2" BSPM	0-60 bar	509	96483574

No cable included, except for 40 e 60bar models

Output signal: 4-20mA

DIFFERENTIAL PRESSURE TRANSDUCER KIT - FOR SEALED CIRCUIT APPLICATIONS



Item	Pressure range	£	Product Code
DPI Transducer Kit	0-0.6 bar	660	96611522
DPI Transducer Kit	0-1 bar	660	96611523
DPI Transducer Kit	0-1.6 bar	660	96611524
DPI Transducer Kit	0-2.5 bar	660	96611525
DPI Transducer Kit	0-4 bar	660	96611526
DPI Transducer Kit	0-6 bar	660	96611527
DPI Transducer Kit	0-10 bar	660	96611550

DPI transducer kits need to be connected across the suction and discharge pipework.

Includes 0.9m screened cable, wall/motor bracket, capillary tubes and fittings.

Output signal: 4-20mA



Item	Pressure range	£	Product Code
DPS Transducer Kit	0-4 bar	POA	99725401
DPS Transducer Kit	0-6 bar	POA	99725451
DPS Transducer Kit	0-10 bar	POA	99725455

To be used with MGE permanent magnet motors (models H, I and J) only

Includes cable, motor bracket, capillary tubes and fittings.

COMBINED RELATIVE PRESSURE AND TEMPERATURE SENSOR - for MAGNA3 and TPE3 heat monitor function



Item	Range		£	Product Code
	Temperature	Pressure		
RPI T2	-10/120°C	0-16 bar	216	98355521

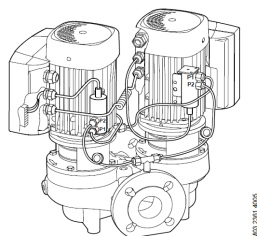
Output signal: 2x 0-10V

Pipe connection: 1/2" BSPM

M12 plug

DIFFERENTIAL PRESSURE TRANSDUCER FITTINGS KIT

Where customers wish to use two differential pressure transducers on a twin head TPED or TPE2 D pump, a fittings kit is required. These fitting kits will provide the necessary additional plumbing connections.



	£	Product Code
For all TPED models	94	96491010
For TPE2 D - DN32 and DN100 models	94	96491010
For TPE2 D - DN40, DN50, DN65 and DN80 models	95	99040405

The above comprises 2 Tees and 2 hexagon nipples.

Note: Pressure transducers are used for "feed back" information and to ensure automatic speed control on all TPE(D)/TPE2 (D)/TPE3 (D) models. TPE(D) 2000 and TPE3 (D) models have factory fitted differential pressure transducer.

For closed loop heating and chilled water systems, "differential pressure transducers" are more commonly used to attain the most accurate "feed back".

Where the pump developed pressure is equal to or greater than the "system pressure" then single point pressure transmitters can be successfully used.

The pressure at the pump suction should remain stable during all flow conditions in the system. Suggested transducer sizes are referenced against each TPE/TPED model. When selecting a Differential Pressure Transducer please use the suggested size. If selecting a Single Point Transducer, refer to the pump curve and then add the system operating pressure to the closed valve pressure on the pump curve for the appropriate size.

NOTE - All list prices above are subject to Category 4 discount terms

CATEGORY 1 - COMMUNICATION

GRUNDFOS GO REMOTE

The Grundfos Go Remote is used for wireless infrared or radio communication with the pumps.



Model		£	Product Code
MI 301	Universal dongle for iOS and Android based Smartphones	342	98046408

DATA COMMUNICATION INTERFACE - BUILT-IN CARDS - please refer to the table below



Model	MAGNA 3	MGE motor ⁴⁾	Multi-E PM motor ²⁾	CU 352 CU 362	£	Product Code
CIM 050 GENIbus	x	Built-in	Built-in	Built-in	126	96824631
CIM 100 LON	x	x	x		237	96824797
CIM 110 LON				x ³⁾	237	96824798
CIM 150 Profibus DP	x	x	x	x	261	96824793
CIM 200 Modbus RTU/COMLI	x	x	x	x	237	96824796
CIM 260 Cellular EU ¹⁾	x	x	x	x	518	99439302
CIM 280 GRM/GIC EU ^{1) 5)}	x	x	x	x	518	99439724
CIM 300 BACnet MS/TP	x	x	x	x ³⁾	237	96893770
CIM 500 Ethernet ^{5) 6)}	x	x	x	x	537	98301408

¹⁾ Antenna not included

²⁾ One CIM card is required per master pump

³⁾ Not available for CU362

⁴⁾ Twin head TPED from 11kW (4 poles) and 15kW (2 poles) and above require a CIU.

For use with PHT A Grundfos pressurization units, please refer to page 5 of Cat 3B price list.

⁵⁾ Grundfos Remote Management requires a license purchase for the provision of web services.

Please contact Grundfos for further information

⁶⁾ CIM500 supports Modbus TCP/ BACNET IP/ PROFINET/ ETHERNET IP/ GRUNDFOS REMOTE MANAGEMENT

DATA COMMUNICATION INTERFACE for waste water AutoADAPT pumps



Model	£	Product Code
CIM 050 GENIbus	126	96824631
CIM 150 Profibus DP	261	96824793
CIM 500 Ethernet ^{see note 6)}	537	98301408
CIM 260 Cellular EU ¹⁾	518	99439302
CIM 280 GRM/GIC EU ^{1) 5)}	518	99439724

DATA COMMUNICATION INTERFACE - EXTERNAL BOXES - please refer to the table below

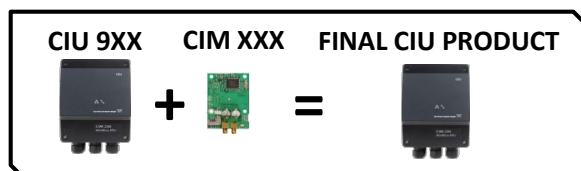


	£	Product Code
CIU 900 ²⁾	236	99448387
CIU 901 With I/O board	364	99448389
CIU 902 Waste Water Auto Adapt	563	97644690
CIU 903 SQ Flex	562	98106399

¹⁾ Antenna not included

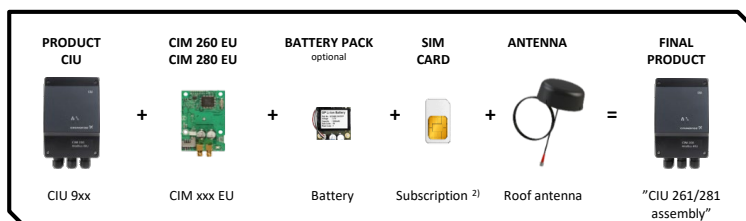
²⁾ For use with Older Hydro Multi-E models / CUE / MP 204/ CU300/ Older MGE/ 11KW-22KW MGE

DATA COMMUNICATION INTERFACE - EXTERNAL BOXES - Selection example please refer to the table below



Model	CIU 900	CIU 901	CIU 902	CIU 903
CIM 100 LON	x			
CIM 150 Profibus DP	x		x	
CIM 200 Modbus RTU/COMLI	x	x	x	
CIM 300 BACnet MS/TP	x		x	
CIM 500 Modbus TCP / Profinet IC	x	x	x	x
CIM 260 Cellular Text	x	x	x	
CIM 280 GRM /GIC	x	x	x	x

DATA COMMUNICATION INTERFACE - EXTERNAL BOXES - Selection Example for GSM or Grundfos Remote Management



Model	£	Product Code
2G/3G/4G Roof Antenna	112	99518079
Battery Pack ¹⁾	38	99499908

¹⁾ CIM 260 and CIM280 can accommodate a rechargeable battery to allow the CIM card to transmit in the event of power failure.

²⁾ SIM supply optional. Please contact Grundfos.

NOTE - All the above list prices are subject to Category 4 discount terms

CATEGORY 1 - DOCUMENTATION AND TESTING

DOCUMENTATION

TP(E)(D) PUMPS

All pumps will be supplied with one English (or multi-language) version of the appropriate Installation and operating instructions.

A separate Safety Instructions document which includes a CE Declaration of Conformity and electrical, safety and maintenance information is also included.

These documents will be included within the product packaging and further copies are available upon request.

Documents provided can also be downloaded in pdf format from the Grundfos Product Center.

Any additional documentation requirements should be referred to your Sales Office contacts.

Please note there is a minimum handling fee of £10 net per POD.

CERTIFICATES & TESTING FOR TP/TPD, TPE/TPED PUMPS

SALES OFFICE GENERATED CERTIFICATES (NOT COVERED BY EN10204)	£ NET	Product Code
	PER PUMP	
Letter of conformity	FOC	GBLOC001
Typical Test Certificate (Test Report - Non specific inspection and testing)	55	GBTTC001
PRODUCTION GENERATED CERTIFICATES EN 10204 (must be requested at time of order)		
Letter of conformity	POA	96507895
Typical Test Certificate	POA	96507896
Standard test report according to ISO 9906:2012 grade 2B (5 point performance test)	POA	96507930
Inspection Certificate (EN 10204 3.1) - includes hydrostatic tests	POA	96507897
Inspection Certificate - Lloyds Register of Shipping LRS (EN 10204 3.2)	POA	96507898
Inspection Certificate - Det Norske Veritas DNV (EN 10204 3.2)	POA	96507899
Inspection Certificate - Germanischer Lloyd GL (EN 10204 3.2)	POA	96507920
Inspection Certificate - Bureau Veritas BV (EN 10204 3.2)	POA	96507921
Inspection Certificate - American Bureau of Shipping ABS (EN 10204 3.2)	POA	96507922
Inspection Certificate - Various other listed bodies	POA	On request
PRODUCTION GENERATED REPORTS ON GRUNDFOS VARIANTS (must be requested at time of order)		
ATEX Approved Pump Report	POA	96512240

GENERAL NOTES

1 : All Production Test certificates and reports need to be agreed at order stage as these are incorporated into the pump product code cannot be produced retrospectively and must be arranged at time of order

2 : All Production Test certificates except witness test certificates are included in the packaging

3 : ALL PRICES ARE NET PER PUMP AND NOT SUBJECT TO ANY FURTHER DISCOUNT

Notes

Notes

Notes

CONDITIONS OF SALE AND SERVICE

The Customer's attention is particularly drawn to the provisions of condition 13 (Warranty and Limitation of Liability)

1. INTERPRETATION

- 1.1 The definitions and rules of interpretation in this condition apply in these Conditions.

Agreement: the contract between Grundfos and the Customer for the supply of Equipment and/or Services in accordance with the Order and these Conditions
Business Day: a day other than a Saturday, Sunday or bank or public holiday in England when banks in London are open for non-automated business.

CDM Regulations: the Construction (Design and Management) Regulations 2015
Conditions: these terms and conditions as amended from time to time in accordance with condition 19.

Customer: the person, firm or company who purchases Equipment and/or Services from Grundfos.

Data Protection Legislation: all legislation and regulatory requirements in force from time to time relating to the use of personal data and the privacy of electronic communications, including, without limitation (i) any data protection legislation from time to time in force in the UK including the Data Protection Act 2018 or any successor legislation, as well as (ii) the General Data Protection Regulation (EU) 2016/679 and any other directly applicable European Union regulation relating to data protection and privacy (for so long as and to the extent that the law of the European Union has legal effect in the UK).

Delivery Location: the location set out in the Order for delivery of the Equipment and/or Services or such other location as the parties may agree.

Equipment: all equipment, materials, goods and/or products, or any part or parts thereof, supplied by Grundfos to the Customer under this Agreement or used by Grundfos or its subcontractors in the supply of the Services.

Equipment Specification: any specification for the Equipment, including any relevant plans or drawings, that is agreed in writing by the Customer and Grundfos.

Event of Default: any occurrence of the events set out in condition 17.1 or 17.2.

Force Majeure Event: acts, events, omissions or accidents beyond its reasonable control, including (without limitation) strikes, lock-outs or other industrial disputes (whether involving any supplier, contractor or agent of Grundfos or any other party beyond its reasonable control), failure of a utility service or transport network, act of God, war or threat of war, sabotage, riot, civil commotion, malicious damage, compliance with any law or governmental order, rule, regulation or direction, import or export embargoes, accident, breakdown of plant or machinery, fire, flood, storm or default of suppliers or subcontractors, difficulties in obtaining raw materials, labour, fuel, parts or machinery.

Grundfos: Grundfos Pumps Limited (Company No: 00805960) whose registered office is at Grovebury Road, Leighton Buzzard, Bedfordshire LU7 4TL.

Health and Safety File: the health and safety file required by the CDM Regulations.

In-put Material: all documents, information, tools and materials of the Customer required by Grundfos for the proper provision of the Services.

Intellectual Property Rights: patents, rights to inventions, copyright and related rights, trade marks, business names and domain names, rights in get-up, goodwill and the right to sue for passing off, rights in designs, database rights, rights to use, and protect the confidentiality of, confidential information (including know-how), and all other intellectual property rights, in each case whether registered or unregistered and including all applications and rights to apply for and be granted, renewals or extensions of, and rights to claim priority from, such rights and all similar or equivalent rights or forms of protection which subsist or will subsist now or in the future in any part of the world.

Maintenance Schedule: the maintenance schedule attached to the Order setting out the Services to be supplied by Grundfos to the Customer.

Order: the service support agreement or site visit request form in each case on Grundfos' standard terms (whichever is applicable) including any schedules attached to the service support agreement or site visit request form.

Payment Schedule: the payment schedule attached to the Order setting out the charges applicable for the provision of the Services by Grundfos to the Customer.

Premium Service: the service package in accordance with Grundfos' terms as set out in the Agreement.

Quotation: a written quotation issued by Grundfos.

Services: the services to be provided by Grundfos under this Agreement as set out in the Order or site visit request form together with any other services which Grundfos provides, or agrees to provide, to the Customer.

Site visit request form: Grundfos' Site Visit and Commissioning Request Form, or the equivalent internet log, which the Customer completes.

Time and Materials Rate: the rates set out in the Order.

Warranty: (Subject to condition 5.5) the warranty provided by Grundfos in respect of the Services as set out in condition 8.4 and Equipment as set out in condition 5.1 of these Conditions (as applicable).

Warranty Period: for product codes UPS2, UPS3, ALPHA1, ALPHA2, ALPHA3 and SCALIA2 the warranty period shall be 5 years from the date of the manufacture and in all other cases the warranty period shall be 24 months from installation or 30 months from the date of manufacture (whichever expires soonest).

- 1.2 Headings in these conditions shall not affect their interpretation.

- 1.3 A person includes a natural person, corporate or unincorporated body (whether or not having separate legal personality).

- 1.4 The schedules and annexes form part of this Agreement.

- 1.5 A reference to writing or written includes fax and email and electronic chat messages.

- 1.6 Any obligation in this Agreement on a person not to do something includes, without limitation, an obligation not to agree, allow, permit or acquiesce in that thing being done.

- 1.7 References to schedules and annexes are to the schedules and annexes of the Order.

- 1.8 A reference to a statute or statutory provision is a reference to it as amended or re-enacted. A reference to a statutory provision includes all subordinate legislation made under that statute or statutory provision.

2. Basis of Agreement

- 2.1 The Order constitutes an offer by the Customer to purchase Equipment and/or Services in accordance with these Conditions.

- 2.2 The Order shall only be deemed to be accepted on the earlier of:

(a) an authorised representative of Grundfos issues written acceptance of the Order; or

(b) Grundfos delivers the Equipment and/or commences providing Services to the Customer in line with the Order, at which point and on which the date this Agreement shall come into existence.

- 2.3 Any samples, drawings, descriptive matter or advertising issued by Grundfos and any descriptions of the Equipment or illustrations or descriptions of the Services contained in Grundfos' catalogues or brochures are issued or published for the sole purpose of giving an approximate idea of the Services and/or Equipment described in them.

No warranty or guarantee is given for their accuracy and they shall not form part of this Agreement or have any contractual force.

- 2.4 These Conditions shall:

(a) apply to and be incorporated into this Agreement;

(b) prevail over any other terms that the Customer seeks to impose or incorporate; and

(c) prevail over any terms or conditions implied by law, trade custom, practice or course of dealing between Grundfos, the Customer or otherwise.

- 2.5 These Conditions are subject to any terms, conditions and/or provisions set out in the Order. In the event of any conflict between the terms of these Conditions and the terms of the Order, the provisions of the Order shall prevail, but any special terms granted in respect of any one Order are not applicable to any subsequent Order without the express consent in writing by Grundfos.

- 2.6 Quotations shall only be valid if issued in writing.

- 2.7 Any Quotations are given on the basis that no Agreement shall come into existence except in accordance with condition 2.2. Any Quotation is valid for a period of 30 days from its date (unless otherwise agreed by Grundfos), provided that Grundfos has not previously withdrawn it.

- 2.8 All of these Conditions shall apply to the supply of both Equipment and Services except where application to one or the other is specified.

- 2.9 Any special terms agreed to by Grundfos for any Order shall not apply to any subsequent Order without the express agreement of an authorised representative of Grundfos.

- 2.10 The Customer is responsible for ensuring the accuracy of the terms of the Order and for providing to Grundfos in good time any necessary information required by Grundfos to enable Grundfos to perform its obligations under the Agreement.

- 2.11 Grundfos' minimum order value is £55.00. Orders between £55.00 and £335 for pumps or £130 for Category 4 items will be subject to a £37 handling fee.

3. Equipment

- 3.1 The Equipment is described in Grundfos' catalogues as modified in any Equipment Specification.

- 3.2 Unless confirmed in writing by Grundfos, Grundfos makes no representation as to the suitability of the Equipment for the Customer's particular purpose. The Customer will be responsible for ensuring that the Equipment is suitable for its particular purpose and Grundfos shall have no liability to the Customer if the Equipment is not suitable for the Customer's particular purpose (so far as legally possible).

- 3.3 Grundfos (and/or its subcontractors, suppliers or agents) reserves the right to:

(a) change the design, construction or composition of the Equipment or the materials or equipment used in the Equipment as it shall think fit; and

(b) amend the Equipment Specification of the Equipment if required by any applicable statutory requirements, and shall, in any case, notify the Customer of any such changes (if such changes are effected after this Agreement has come into existence but before the Equipment and/or Services have been fully performed).

- 3.4 Samples of Equipment are available for inspection at Grundfos' offices. The samples are ex-stock at the time of viewing and are without guarantee as to colour or dimensions at the time of delivery. The viewing of a sample does not create a sale by sample.

4. Delivery of Equipment

- 4.1 Grundfos shall deliver the Equipment to the Delivery Location.

- 4.2 Delivery of the Equipment shall be completed on:

(a) the completion of unloading of the Equipment at the Delivery Location or (in the absence of any specified Delivery Location by the Customer) upon Grundfos informing the Customer that the Equipment is ready; or

(b) (if the Customer or its agents and/or representatives elect to unload the Equipment themselves) upon Grundfos placing the Equipment at the disposal of the Customer, its agents or representatives at the agreed point.

- 4.3 Grundfos' obligation under condition 4.1 is limited to delivering the Equipment only as near to the Delivery Location as a safe hard road permits. The Customer is to provide to Grundfos, free of charge, reasonable assistance with unloading (unless the Customer elects to unload the Equipment itself).

- 4.4 Any dates quoted for delivery of the Equipment are approximate only, and the time of delivery is not of the essence. Grundfos shall not be liable for any delay (or any additional costs arising out of the delay) in delivery of the Equipment that is caused by a Force Majeure Event or the Customer's failure to provide Grundfos with adequate delivery instructions or any other instructions that are relevant to the supply of the Equipment.

- 4.5 The Equipment may be delivered in advance of the quoted delivery date upon giving reasonable notice to the Customer.

- 4.6 If the Customer fails to take delivery of the Equipment or fails to give Grundfos adequate delivery instructions at the time stated for delivery (otherwise than by reason of Grundfos' sole fault) then, without prejudice to any other right or remedy available to Grundfos:

(a) delivery of the Equipment shall be deemed to have been completed at 9.00am on the next Business Day following the day on which Grundfos notified the Customer that the Equipment was ready; and

(b) Grundfos may:

(i) Charge a re-delivery fee if delivery is rearranged by Grundfos and the Customer;

(ii) store the Equipment until actual delivery takes place, and charge the Customer for all related costs and expenses (including insurance) of such storage;

(iii) apply Grundfos' returns policy as set out in condition 6; or

(iv) sell the Equipment at the best price readily obtainable and (after deducting all reasonable storage and selling expenses) charge the Customer for any shortfall below the price payable by the Customer for the Equipment and Services (as applicable) under this Agreement.

- 4.7 If the parties have agreed on express delivery, the dates quoted for such delivery and agreed delivery dates are approximate only as delivery may vary due to factors not within Grundfos' reasonable control, e.g. leisurely or delayed customs clearance or other import or export obstacles. The parties agree that time of delivery is not of the essence and that Grundfos shall not be liable for any delay (or any additional costs arising out of the delay) in delivery caused by such events.

- 4.8 Grundfos may deliver the Equipment by instalments.

- 4.9 If Equipment is not received by the customer within 7 days of notification of dispatch by Grundfos or if it is received in a damaged condition or the quantity received differs from the quantity advised by Grundfos the Customer shall notify Grundfos in writing. If such written notice is not received by Grundfos within 10 days of the date of Grundfos' dispatch notification, Grundfos will not be liable in respect of any loss or damaged suffered.

- 4.10 If a proof of delivery is required a £10 handling fee will apply.

- 4.11 Proof of delivery shall only be retained by Grundfos for 3 months following delivery. After 3 months it shall be assumed by both parties that delivery successfully took place unless there is evidence to the contrary.

- 4.12 A £20 handling fee will apply per order to all orders for spares, pump components, spares kits and ancillary items such as flanges, unions etc.

5. **Quality of Equipment**
- 5.1 For the duration of the Warranty Period, Grundfos warrants that the Equipment shall:
- (a) (subject to conditions 5.3 and 5.4) conform in all material respects with the Equipment Specification; and
- (b) be free from defects in design, material and workmanship.
- 5.2 Subject to condition 5.3, if:
- (a) the Customer gives notice in writing during the Warranty Period within 14 days of discovery that some or all of the Equipment does not comply with the Warranty set out in condition 5.1;
- (b) Grundfos is given a reasonable opportunity to examine such Equipment; and
- (c) the Customer (if reasonably asked to do so by Grundfos) returns such Equipment to Grundfos (at Grundfos' cost), then Grundfos shall, at its option, repair or replace the defective Equipment, or refund the price of the defective Equipment in full. Repairs shall only be carried out between 8am and 5pm on Business Days agreed between Grundfos and Customer.
- 5.3 Grundfos shall not be liable for the Equipment's failure to comply with the Warranty if:
- (a) the Customer makes any further use of such Equipment after giving a notice in accordance with condition 5.2 unless otherwise approved by Grundfos (such approval not to be withheld unreasonably);
- (b) the defect arises because the Customer failed to follow Grundfos' or manufacturer's oral or written instructions as to the storage, installation, commissioning, use or maintenance of the Equipment or (if there are none) good trade practice;
- (c) the defect arises as a result of Grundfos following any drawing, design supplied by the Customer or the Equipment Specification;
- (d) the Customer alters, dismantles or repairs such Equipment without the written consent of Grundfos;
- (e) the defect arises as a result of fair wear and tear, wilful damage, negligence, or abnormal working conditions; or
- (f) the Equipment differs from its description as a result of changes made to ensure they comply with applicable statutory or regulatory standards.
- 5.4 Except as provided in this condition 5, Grundfos shall have no liability to the Customer in respect of the Equipment's failure to comply with the Warranty.
- 5.5 The terms of these Conditions shall apply to any repaired or replacement Equipment supplied by Grundfos under condition 5.2 but for the avoidance of doubt, the Warranty Period for any repaired or replaced Equipment shall be 12 months from the date of the repair.
6. **Return of Equipment**
- 6.1 Equipment may not be returned to Grundfos except by the prior written permission of an authorised representative of Grundfos. Contact grundfos-uk@sales.grundfos.com with the original purchase order number to arrange a return. Any such return shall be liable for any handling and restocking fees charged by Grundfos.
- 6.2 All Equipment requested to be returned to Grundfos will be subject to a minimum 35% restocking fee (subject to inspection). Equipment must be returned in its original packaging.
- 6.3 Equipment can only be returned within 6 months of the date of dispatch by Grundfos. All returns will be subject to inspection to ascertain age, condition and type.
- 6.4 Equipment returned without prior authorisation will be refused delivery by Grundfos.
- 6.5 The following Equipment cannot be returned for credit in any circumstance:
- (a) items with a net value of less than £125 (per item);
- (b) repair kits, power cable, engineered to order, third party sourced and obsolete items.
- 6.6 Any Equipment that has been in contact with hazardous liquids must be cleaned, sealed in appropriate packaging, clearly labelled and accompanied by a COSHH certification by the Customer. Any carrier used must be licensed to carry to transport the relevant hazardous liquids.
7. **Title and Risk**
- 7.1 The risk in the Equipment shall pass to the Customer on completion of delivery in accordance with condition 4.
- 7.2 Title to the Equipment shall not pass to the Customer until Grundfos receives payment in full (in cash or cleared funds) for the Equipment and any other equipment or goods that Grundfos has supplied to the Customer in respect of which payment has become due in which case title to the Equipment shall pass at the time of payment of all such sums.
- 7.3 Until title to the Equipment has passed to the Customer, the Customer shall:
- (a) hold the Equipment (or any receipts received from the Customer where the Customer has sold the Equipment) on a fiduciary basis as Grundfos' bailee;
- (b) store the Equipment separately from all other goods held by the Customer (where possible) so that they remain readily identifiable as Grundfos' property;
- (c) not remove, deface or obscure any identifying mark or packaging on or relating to the Equipment (unless reasonably required for the functioning use of the Equipment by the Customer);
- (d) maintain the Equipment in satisfactory condition and keep it insured against all risks for their full price on Grundfos' behalf from the date of delivery;
- (e) notify Grundfos immediately if the Customer becomes subject to any Event of Default;
- (f) give Grundfos such reasonable information relating to the Equipment as Grundfos may require from time to time;
- (g) give Grundfos at least 30 days' notice of its intention to move or relocate the Equipment to a new location. Grundfos may (at Grundfos' sole discretion) supervise the dismantling and removal of the Equipment, and inspect and reinstall the Equipment at the new location. Any supervision and work undertaken in respect of the relocation shall be charged at the prevailing Time and Material Rates and is payable by the Customer in accordance with condition 11; and
- (h) give Grundfos at least 14 days' notice of its intention to take any steps to appoint an administrator.
- 7.4 The Customer may incorporate the Equipment into or with any other goods provided that any new goods incorporating the Equipment shall become the sole and exclusive property of Grundfos and shall be separately stored and marked so as to be identifiable as being manufactured by or containing Equipment belonging to Grundfos.
- 7.5 Subject to condition 7.7, the Customer may resell the Equipment in the ordinary course of its business (but not otherwise) before Grundfos receives payment for the Equipment. However, if the Customer resells the Equipment before that time:
- (a) It does so as principal and not as Grundfos' agent;
- (b) Title to the Equipment shall pass from Grundfos to the Customer immediately before the time at which resale by the Customer occurs.
- 7.6 If before title to the Equipment passes to the Customer the Customer becomes subject to an Event of Default, then, without limiting any other right or remedy Grundfos may have, Grundfos may at any time:
- (a) the Customer's right to resell the Equipment or use it in the ordinary course of its business ceases immediately;
- (b) reasonably require the Customer to deliver up all Equipment in its possession; and
- (c) if the Customer fails to do so promptly, enter any premises of the Customer where the Equipment is stored in order to recover them; and
- (d) the Customer shall pay Grundfos' reasonable costs (including legal costs) for any recovery of the Equipment pursuant to condition 7.7(c).
8. **Supply of Services**
- 8.1 Grundfos shall provide the Services to the Customer in accordance with the Maintenance Schedule in all material respects and in accordance with the duration and timescales specified in the Order.
- 8.2 Grundfos shall use all reasonable endeavours to meet any performance dates for the Services specified in this Agreement, but any such dates shall be estimates only and time shall not be of the essence for the performance of the Services.
- 8.3 Grundfos shall have the right to make any changes to the Services which are necessary to comply with any applicable law or safety requirement, or which do not materially affect the nature or quality of the Services, and Grundfos shall notify the Customer in any such event. If Grundfos requests a change for any other reason, the Customer shall not unreasonably withhold or delay consent to it.
- 8.4 Grundfos warrants to the Customer that the Services will be provided using reasonable care and skill.
- 8.5 Grundfos shall use reasonable endeavours to observe all health and safety rules and regulations, and any other reasonable security requirements that apply at the Customer's premises and that have been communicated to it provided that it shall not be liable under this Agreement if, as a result of such observation, it is in breach of any of its obligations under this Agreement.
9. **Maintenance Service Times**
- 9.1 Services will be carried out during the working times as specified in the Maintenance Schedule.
- 9.2 Grundfos' standard daily fee rates for each individual person are calculated on the basis of an eight-hour day between 8.00am and 5.00pm on Business Days. Grundfos shall be entitled to charge for any Services undertaken outside of these hours at the Time and Materials Rate in effect at the relevant time.
- 9.3 Grundfos shall use reasonable endeavours to attend the Delivery Location, but if Grundfos is prevented by any reason outside his control or under the control of the Customer, from installing the Equipment or carrying out the Services at the time of the visit, it shall not constitute a material breach of this Agreement. If additional visits are required to the Delivery Location which are not accounted for in the Maintenance Schedule, Grundfos reserves the right to charge the Customer at the Time and Materials Rate for all additional time incurred.
10. **Customer's obligations**
- 10.1 The Customer shall:
- (a) ensure that the terms of the Order and the Equipment Specification are complete and accurate;
- (b) co-operate with Grundfos in all matters relating to this Agreement;
- (c) provide Grundfos, its employees, agents, consultants and subcontractors, with access to the Customer's premises, office accommodation and other facilities as reasonably required by Grundfos to provide the Services and/or deliver the Equipment;
- (d) prepare the Customer's premises (or the location where the Services are to be performed) for the supply of the Services and/or the Equipment;
- (e) provide adequate lighting, heating, power and ventilation as per Grundfos' reasonable requirements;
- (f) inform Grundfos' engineer or representative on each visit about any unsatisfactory running or irregular performance of the Equipment or equipment in respect of which the Services are undertaken.
- (g) ensure the Equipment is installed and kept in suitable premises and under suitable conditions, permit only trained and competent personnel to use it and follow any operating instructions as Grundfos may give from time to time;
- (h) provide a site visit request form to Grundfos in respect of any Services to be carried out by Grundfos, its agents, subcontractors, consultants or employees (as the case may be);
- (i) provide to Grundfos, in a timely manner, such In-put Material and other information as Grundfos may require and ensure that it is accurate in all material respects;
- (j) be responsible (at its own cost) for preparing and maintaining the relevant premises for the supply of the Services and/or Equipment, including identifying, monitoring, removing and disposing of any hazardous materials from its premises in accordance with all applicable laws, before and during the supply of the Services and/or Equipment at those premises;
- (k) inform Grundfos of all health and safety rules and regulations and any other reasonable security requirements that apply at the Customer's premises;
- (l) ensure that all In-Put Materials are in good working order and suitable for the purposes for which it is used in relation to the Services;
- (m) keep all Grundfos' materials, equipment, documents and other property (Grundfos Property) at the Customer's premises in safe custody at its own risk, keep all Grundfos Property in good condition until returned to Grundfos and not dispose of or use the Grundfos Property other than in accordance with Grundfos' written instructions and authorisations; and
- (n) obtain and maintain all necessary licences and consents and comply with all relevant legislation in relation to the Services, the installation of the Equipment and the use of In-put Material in all cases before the date on which the Services are to start.
- 10.2 If Grundfos' performance of any of its obligations in respect of the Services is prevented or delayed by any act or omission by the Customer (including its agents, subcontractors, consultants or employees) or failure by the Customer to perform any relevant obligation (Customer Default):
- (a) Grundfos shall without limiting its other rights or remedies have the right to suspend performance of the Services until the Customer remedies the Customer Default, and to rely on the Customer Default to relieve it from the performance of any of its obligations under this Agreement to the extent the Customer Default prevents or delays Grundfos' performance of any of its obligations;
- (b) Grundfos shall not be liable for any costs or losses sustained or incurred by the Customer arising directly or indirectly from Grundfos' failure or delay to perform any of its obligations as set out in this condition 10.2; and
- (c) the Customer shall reimburse Grundfos on written demand for any costs or losses sustained or incurred by Grundfos arising directly or indirectly from the Customer Default.
- 10.3 The Customer shall be liable to pay to Grundfos, on demand, all reasonable costs, charges or losses sustained or incurred by Grundfos (including, without limitation, any direct, indirect or consequential losses, loss of profit and loss of reputation, loss or damage to property and those arising from injury to or death of any person and loss of opportunity to deploy resources elsewhere) arising directly or indirectly from the Customer's fraud, negligence, failure to perform or delay in the performance of any of its obligations under this Agreement, subject to Grundfos confirming such costs, charges and losses to the Customer in writing.

10.4	The Customer shall not, without the prior written consent of Grundfos, at any time from the date of this Agreement to the expiry of 12 months after the last date of supply of the Services, solicit or entice away from Grundfos or employ (or attempt to employ) any person who is, or has been, engaged as an employee of Grundfos in the provision of the Services.	
11.	The CDM Regulations	
11.1	The Customer and Grundfos agree that the Customer is to be treated for the purposes of the CDM Regulations as the Client for the purposes of the CDM Regulations.	
11.2	The Customer agrees to ensure that the Works are carried out in accordance with the CDM Regulations.	
11.3	The Customer shall ensure that the Health and Safety File is maintained correctly and is available for inspection in accordance with the CDM Regulations.	
11.4	The Customer shall indemnify and keep the Owner indemnified against liability for any breach of the Customer's obligations under or in connection with this condition 11.	
12.	Charges and Payment	
12.1	The price for the Equipment shall be the price set out in the Order or, if no price is quoted, the price set out in the published price list of Grundfos (or Grundfos as the case may be) as at the date of delivery. Unless otherwise stated in the Order, the price of the Equipment is exclusive of all costs and charges of packaging, insurance, transport of the Equipment, which shall be paid by the Customer when it pays for the Equipment.	13.2
12.2	In the case of Product Services Service contracts, Installation Works and Engineered to Order products Grundfos reserves the right to request a deposit payment and/or payment milestones. The amount or means of calculating such payment shall be set out in the Quotation.	13.3
12.3	Grundfos reserves the right to require (at its option) a parent company guarantee or a personal guarantee from the directors of the Customer at any time in relation to all outstanding amounts due to Grundfos from the Customer from time to time.	13.4
12.4	The charges for Services shall be set out in the Payment Schedule.	13.5
12.5	Unless stated otherwise all prices are given on a DAP (delivered at place) basis.	
12.6	Grundfos reserves the right to: (a) increase its standard daily fee rates for the Services. Grundfos will give the Customer reasonable notice in writing of any such increase before the proposed date of the increase. If such increase is not acceptable to the Customer, it shall notify Grundfos in writing within 14 days of the date of Grundfos' notice and either of Grundfos or the Customer shall have the right, without limiting its other rights or remedies, to terminate this Agreement by giving 14 days' written notice (or any other reasonable notice period if performance of the Order is due to commence within 14 days) to Grundfos or Customer (as applicable); and (b) increase the price of the Equipment, by giving notice to the Customer at any time before delivery, to reflect any increase in the cost of the Equipment to Grundfos that is due to: (i) any factor beyond the control of Grundfos (including foreign exchange fluctuations, increases in taxes and customs' charges and duties, and increases in labour, materials, fuel and other manufacturing costs); (ii) any request by the Customer to change the delivery date(s), quantities or types of Equipment ordered, or the Equipment specification; or (iii) any delay caused by any instructions of the Customer in respect of the Equipment or failure of the Customer to give Grundfos adequate or accurate information or instructions in respect of the Equipment.	14.
12.7	In respect of Equipment, Grundfos shall invoice the Customer on or at any time after completion of delivery. If delivery of the Equipment is made in instalments, Grundfos may invoice the Customer in instalments. In respect of Services, Grundfos shall invoice the Customer in accordance with the Payment Schedule.	14.1
12.8	The Customer shall pay each invoice submitted by Grundfos: (a) within 30 days of the date of the invoice or in accordance with any other payment terms agreed by Grundfos in writing; and (b) in full and in cleared funds to a bank account nominated in writing by Grundfos, and time for payment shall be of the essence of this Agreement.	14.2
12.9	All amounts payable by the Customer under this Agreement are exclusive of amounts in respect of value added tax chargeable from time to time (VAT). The Customer shall pay any VAT which is chargeable on the supply of the Services and/or Equipment at the same time as payment is due for the supply of the Services and/or Equipment.	15.
12.10	Grundfos may in its sole discretion elect to provide a credit facility to the Customer but is not obliged to do so. Any credit facility offered will be on written terms agreed by Grundfos and the Customer.	15.1
12.11	Without prejudice to any other right or remedy that it may have, if the Customer fails to pay Grundfos on the due date, Grundfos may: (a) charge interest on such sum from the due date for payment at an annual rate equal to the set rate of interest provided under the Late Payment of Commercial Debt (Interest) Act 1998 as varied from time to time accruing on a daily basis and being compounded quarterly until payment is made, whether before or after any judgment and the Customer shall pay the interest immediately on demand; (b) charge compensation for late payment at a set rate depending on the size of the debt in accordance with the Late Payment of Commercial Debt Regulations 2002 (SI 2002 No 1674). The minimum charge applicable is £40.00, the maximum applicable is £100.00; (c) appropriate any payment by the Customer to any outstanding invoice as Grundfos may think fit not withstanding any purported appropriation by the Customer; and (d) suspend the provision of further Services until payment has been made in full.	15.2
12.12	The Customer shall pay all amounts due under this Agreement in full without any set-off, counterclaim, deduction or withholding except as required by law. Grundfos may, without limiting its other rights or remedies, set off any amount owing to it by the Customer against any amount payable by Grundfos to the Customer.	15.3
12.13	All sums payable to Grundfos under this Agreement shall become due immediately on its termination, despite any other provision. This condition 12.10 is without prejudice to any right to claim for interest under the law, or any such right under this Agreement.	15.4
12.14	Grundfos shall have a lien on all of the Customer's property in Grundfos' possession for all sums due at any time by the Customer to Grundfos subject to Grundfos giving not less than one month's written notice to the Customer. Grundfos shall be entitled to use, sell and dispose of any such property as agent for the Customer at the Customer's expense. The proceeds of such sale shall be applied towards the payment of monies due to Grundfos and Grundfos shall be discharged of any liability in relation to such property as a result of any sale.	16.
13.	Warranty and Limitation of Liability	16.1
13.1	<i>THE CUSTOMER'S ATTENTION IS SPECIFICALLY DRAWN TO THIS CONDITION</i> Nothing in these Conditions shall limit or exclude Grundfos' liability for: (a) death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors; (b) fraud or fraudulent misrepresentation; (c) breach of the terms implied by section 2 of the Supply of Goods and Services Act 1982 (title and quiet possession);	16.2
	(d) breach of the terms implied by section 12 of the Sale of Goods Act 1979 (title and quiet possession); or (e) defective products under the Consumer Protection Act 1987.	16.3
	Subject to condition 13.1: (a) Grundfos shall under no circumstances whatsoever be liable to the Customer, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for any loss of profit, turnover, data, business opportunity, anticipated savings, any indirect or consequential loss or any damage to goodwill arising under or in connection with this Agreement; (b) Grundfos' total liability to the Customer where the Customer has provided Grundfos with incorrect weights, dimensions, capacity performance or other information shall in no circumstances exceed the price of the Equipment supplied in accordance with such incorrect information; and (c) Grundfos' total liability to the Customer in respect of all other losses arising under or in connection with this Agreement, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed £1million.	17.
	The terms implied by sections 13 to 15 of the Sale of Goods Act 1979 and the terms implied by sections 3 to 5 of the Supply of Goods and Services Act 1982 are, to the fullest extent permitted by law, excluded from this Agreement.	17.1
	This condition 13 shall survive termination of this Agreement.	
	The Customer shall indemnify Grundfos for any costs suffered by Grundfos for claims from any third party which arise by virtue of the Customer having resold the Equipment (unless such claim arises solely from Grundfos' negligence).	
	Confidentiality and Grundfos' property	
	Each party (receiving party) shall keep in strict confidence all technical or commercial know-how, specifications, inventions, processes or initiatives which are of a confidential nature and have been disclosed to the receiving party by the other party (disclosing party), its employees, agents or subcontractors, and any other confidential information concerning the disclosing party's business, its products and services which the receiving party may obtain. The receiving party shall only disclose such confidential information to those of its employees, agents and subcontractors who need to know it for the purpose of discharging the receiving party's obligations under this Agreement, and shall ensure that such employees, agents and subcontractors comply with the obligations set out in this condition as though they were a party to this Agreement. The receiving party may also disclose such of the disclosing party's confidential information as is required to be disclosed by law, any governmental or regulatory authority or by a court of competent jurisdiction. Neither party shall use the other's confidential information for any purpose other than to perform its obligations under this Agreement.	
	Intellectual Property Rights	
	(Subject to condition 15.2) all Intellectual Property Rights in or arising out of or in connection with: (a) the Equipment; (b) the Services; or (c) any manuals or documentation given by Grundfos to the Customer, shall be owned by Grundfos and nothing in this agreement shall transfer or assign any such Intellectual Property Rights to the Customer.	
	The Customer acknowledges that, in respect of any third party Intellectual Property Rights, the Customer's use of any such Intellectual Property Rights is conditional on Grundfos first obtaining a written licence from the relevant licensor on such terms as will entitle Grundfos to license such rights to the Customer.	
	The Customer grants to Grundfos a fully paid up, non-exclusive, royalty free, non-transferable licence to copy and modify any In-put Material for the purpose of providing the Services to the Customer.	
	The Customer shall indemnify Grundfos against all liabilities, costs, expenses, damages and losses (including any direct, indirect or consequential losses, loss of profit, loss of reputation and all interest, penalties and legal costs (on a full indemnity basis) and all other reasonable professional costs and expenses) suffered or incurred by Grundfos for actual or alleged infringement of a third party's Intellectual Property Rights arising out of or in connection with Grundfos' use of the Equipment Specification.	
	Data protection	
	Both parties will comply with all applicable requirements of the Data Protection Legislation. This condition 16 is in addition to, and does not relieve, remove or replace, a party's obligations under the Data Protection Legislation. In this condition 16 Applicable Laws means (for so long as and to the extent that they apply to the Supplier) the law of the European Union, the law of any member state of the European Union and/or Domestic UK Law; and Domestic UK Law means any Data Protection Legislation from time to time in force in the UK including the Data Protection Act 2018 or any successor legislation.	
	Without prejudice to the generality of condition 16.1 each party shall, in relation to any Personal Data processed in connection with the performance by that party of its obligations under the Agreement: (a) ensure that it has in place appropriate technical and organisational measures to protect against unauthorised or unlawful processing of Personal Data and against accidental loss or destruction of, or damage to, Personal Data, appropriate to the harm that might result from the unauthorised or unlawful processing or accidental loss, destruction or damage and the nature of the data to be protected, having regard to the state of technological development and the cost of implementing any measures (those measures may include, where appropriate, pseudonymising and encrypting Personal Data, ensuring confidentiality, integrity, availability and resilience of its systems and services, ensuring that availability of and access to Personal Data can be restored in a timely manner after an incident, and regularly assessing and evaluating the effectiveness of the technical and organisational measures adopted by it); (b) assist the other party, at the other party's cost, in responding to any request from a Data Subject and in ensuring compliance with its obligations under the Data Protection Legislation with respect to security, breach notifications, impact assessments and consultations with supervisory authorities or regulators; (c) notify the Customer without undue delay on becoming aware of a Personal Data breach; (d) at the written direction of the other party, delete or return Personal Data and copies thereof to the other party on termination of the agreement unless required by Applicable Law to store the Personal Data; and (e) maintain complete and accurate records and information to demonstrate its compliance with this condition 16.	
	Neither party consents to the other appointing any third-party processor of Personal Data under the Contract.	
	Termination	
	Without limiting its other rights or remedies, Grundfos or Customer may terminate this Agreement with immediate effect by giving written notice to the other party if: (a) the other party commits a material breach of its obligations under this Agreement and (if such breach is remediable) fails to remedy that breach within 7 days after receipt of written notice to do so;	

- (b) the other party takes any step or action in connection with its entering administration, provisional liquidation or any composition or arrangement with its creditors (other than in relation to a solvent restructuring), being wound up (whether voluntarily or by order of the court, unless for the purpose of a solvent restructuring), having a receiver appointed to any of its assets or ceasing to carry on business [or, if the step or action is taken in another jurisdiction, in connection with any analogous procedure in the relevant jurisdiction];
- (c) the other party suspends, or threatens to suspend, or ceases or threatens to cease to carry on all or a substantial part of its business; or
- (d) the other party's financial position deteriorates to such an extent that in the terminating party's opinion the other party's capability to adequately fulfil its obligations under the Contract has been placed in jeopardy.
- 17.2 Without limiting its other rights or remedies, Grundfos may terminate this Agreement with immediate effect by giving written notice to the Customer if:
- (a) there is a change of control of the Customer (as defined in section 574 of the Capital Allowances Act 2001);
- (b) the Customer is unable or unwilling to procure any guarantee required by Grundfos in accordance with condition 12.3; or
- (c) the Customer's financial position deteriorates to such an extent that in Grundfos' opinion the Customer's capability to adequately fulfil its obligations under the Contract has been placed in jeopardy or Customer fails to pay any amount due under this Agreement on the due date for payment.
- 17.3 Without limiting its other rights or remedies, Grundfos may suspend the supply of Services or all further deliveries of Equipment under this Agreement or any other agreement between the Customer and Grundfos if the Customer becomes subject to an Event of Default, or Grundfos reasonably believes that the Customer is about to become subject to any of them.
- 17.4 On termination of this Agreement for any reason:
- (a) the Customer shall immediately pay to Grundfos all of Grundfos' outstanding unpaid invoices and interest and, in respect of Services supplied but for which no invoice has yet been submitted, Grundfos shall submit an invoice, which shall be payable by the Customer immediately on receipt;
- (b) the Customer shall return all of Grundfos' materials and any deliverables which have not been fully paid for and which have not been installed as part of a bigger system. If the Customer fails to do so, then Grundfos may enter the Customer's premises and take possession of them. Until they have been returned, the Customer shall be solely responsible for their safe keeping and will not use them for any purpose not connected with this Agreement;
- (c) the accrued rights and remedies of the parties as at termination shall not be affected, including the right to claim damages in respect of any breach of this Agreement which existed at or before the date of termination or expiry;
- (d) conditions which expressly or by implication have effect after termination shall continue in full force and effect; and
- (e) Grundfos shall have a lien over all of the Customer's property in Grundfos' possession in respect of all sums due at any time from the Customer to Grundfos. Provided that Grundfos gives at least 14 days' prior written notice, Grundfos shall be entitled to use, sell and dispose of such property as agent for and at the expense of the Customer and apply the proceeds towards the payment of monies due and outstanding from the Customer to Grundfos. Thereafter, Grundfos shall be discharged of any liability in respect of the Customer's property.
- 17.5 On termination of this Agreement (however arising), any of these Conditions that expressly or by implication is intended to have effect after termination (or expiry) shall survive and continue in full force and effect.
18. **Force majeure**
Grundfos shall have no liability to the Customer under this Agreement if it is prevented from, or delayed in performing, its obligations under this Agreement or from carrying on its business by any Force Majeure Event.
19. **Variation**
Except as provided in these Conditions, no variation of this Agreement or these Conditions or of any of the documents referred to in them shall be valid unless it is in writing and signed by or on behalf of each of the authorised representatives of the parties.
20. **Waiver**
20.1 A waiver of any right under this Agreement is only effective if it is in writing and it applies only to the circumstances for which it is given. No failure or delay by a party in exercising any right or remedy under this Agreement or by law shall constitute a waiver of that (or any other) right or remedy, nor preclude or restrict its further exercise. No single or partial exercise of such right or remedy shall preclude or restrict the further exercise of that (or any other) right or remedy.
- 20.2 Unless specifically provided otherwise, rights arising under this Agreement are cumulative and do not exclude rights provided by law.
21. **Severance**
21.1 If any provision of this Agreement (or part of any provision) is found by any court or other authority of competent jurisdiction to be invalid, illegal or unenforceable, that provision or part-provision shall, to the extent required, be deemed not to form part of this Agreement, and the validity and enforceability of the other provisions of this Agreement shall not be affected.
- 21.2 If a provision of this Agreement (or part of any provision) is found illegal, invalid or unenforceable, the provision shall apply with the minimum modification necessary to make it legal, valid and enforceable.
22. **Entire agreement**
22.1 This Agreement constitutes the whole agreement between the parties and supersedes all previous agreements between the parties relating to its subject matter.
- 22.2 Each party acknowledges that, in entering into this Agreement, it has not relied on, and shall have no right or remedy in respect of, any statement, representation, assurance or warranty (whether made negligently or innocently) (other than for breach of contract), as expressly provided in this Agreement.
- 22.3 Nothing in this condition shall limit or exclude any liability for fraud.
23. **Assignment**
23.1 The Customer shall not, without the prior written consent of Grundfos, assign, transfer, charge, mortgage, subcontract or deal in any other manner with all or any of its rights or obligations under this Agreement.
- 23.2 Grundfos may at any time assign, transfer, charge, mortgage, subcontract or deal in any other manner with all or any of its rights under this Agreement and may subcontract or delegate in any manner any or all of its obligations under this Agreement to any third party or agent.
- 23.3 Each party that has rights under this Agreement is acting on its own behalf and not for the benefit of another person.
24. **No partnership or agency**
Nothing in this Agreement is intended to, or shall be deemed to, constitute a partnership or joint venture of any kind between any of the parties, nor constitute any party the agent of another party for any purpose. No party shall have authority to act as agent for, or to bind, the other party in any way.
25. **Rights of third parties**
A person who is not a party to this Agreement shall not have any rights under or in connection with it.
26. **Notices**
26.1 Any notice required to be given under this Agreement shall be in writing and shall be delivered personally, or sent by pre-paid first-class post, recorded delivery or by commercial courier to the registered office or the address stated in the Order (or as otherwise notified to the other party in writing).
- 26.2 Any notice shall be deemed to have been duly received if delivered personally, when left at the correct address or, if sent by pre-paid first-class post or recorded delivery, at 9.00am on the second Business Day after posting, or if delivered by commercial courier, on the date and at the time that the courier's delivery receipt is signed.
- 26.3 This condition 26 shall not apply to the service of any proceedings or other documents in any legal action.
- 26.4 A notice required to be given under this Agreement shall also be validly served if sent by e-mail.
27. **Governing law and jurisdiction**
27.1 This Agreement, and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims), shall be governed by, and construed in accordance with, the law of England and Wales.
- 27.2 The parties irrevocably agree that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim that arises out of, or in connection with, this Agreement or its subject matter or formation (including non-contractual disputes or claims).

GRUNDFOS PUMPS LTD.
Grovebury Road
Leighton Buzzard
Beds LU7 4TL

Tel: 01525 850000
Email: grundfos-uk@sales.grundfos.com

www.grundfos.co.uk

