

Grundfos Domestic & Commercial HVAC Price List February 2020 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)
£75.00 NET (PER ITEM)

BOXSPEED (PER ITEM) – from UK/European DC (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, CMB(E), Boosters, Scala
- JP, MQ and Tanks/Vessels (up to 500 Litre)
- 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 - £55.00 NET & ADDITIONAL ITEMS £20.00 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 - £45.00 NET & ADDITIONAL ITEMS £20.00 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.

SPARES STANDARD DELIVERY CHARGE

- A **£20.00 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.
- Items or multiple items from the same Purchase Order must exceed the total Net value of £150

Exclusions to Product Returns apply;

- **All Service kits, cable including attached to pump, assembled/3rd party/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.

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 and Self-registration for MyGrundfos can be found here; <https://uk.grundfos.com/mygrundfos>

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CATEGORY 1 - DOMESTIC HEATING CIRCULATORS

Model Pump Ports £ Product Code

DOMESTIC HEATING PRODUCTS

240V 1ph 50Hz

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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* - 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



UPS3



Mobile applications:
Grundfos GO Balance
Grundfos GO Remote

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

Model Pump Ports £ Product Code Model Pump Ports £ Product Code

HOT WATER SERVICE CIRCULATORS - WRAS Approved

240V 1ph 50Hz

ALPHA1 15-50N Model B	No fittings	POA	99415696
UPS 15-50N	No fittings	296	97549426
UP 20-07N	No fittings	291	98057201
UP 20-15N	No fittings	316	98057205
UP 20-30N	No fittings	333	98057221
UP 20-45N	No fittings	362	98057222

UPS 25-55N	No fittings	493	95906772
UPS 25-80N	No fittings	591	98057227
UPS 32-55N	No fittings	683	95906773
UPS 32-80N	No fittings	779	98057247
UPS 32-100N	No fittings	843	98057249
UPS 40-50FN	No flanges	851	98057242
UPS 40-80FN	No flanges	1022	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.

Model £ Product Code

COMFORT HOT WATER SERVICE CIRCULATORS - WRAS Approved

240V 1ph 50Hz

COMFORT 15-14 B PM GB	HWS circulator	204	99164484
COMFORT 15-14 BA PM GB	HWS circulator with Autoadapt	335	99164487
COMFORT 15-14 BX PM GB	HWS circulator with valves	239	99164486
COMFORT 15-14 BXA PM GB	HWS circulator with valves and Autoadapt	378	99164488

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



CATEGORY 1 - ACCESSORIES

Item Pumps £ Product Code

UNIONS/VALVE SETS

UP/MAGNA/TP

3/8" BSP Brass Union Set	UP20N	33	529982
22mm Isolating Valve	UP20N	31	519801
1" BSP Brass Union Set	UPS15N, UPS25N, TP25-xx/2 RS	15	529972
1 1/4" BSP Brass Union Set	UPS32N, TP32-xx/2 RS	53	509971
1" BSP Union Set	UPS2 25-80, MAGNA1/3 25, TP25	13	529922
1 1/4" BSP Special Union Set	UPS2 25-80, MAGNA1/3 25, TP25	37	529821
1 1/4" BSP Union Set	UPS2 32-80, MAGNA1/3 32, TP32	13	509922
1 1/2" BSP PN10 Bronze Flange Set	UP40FB	827	539910
Valve kit COMFORT (Isolating and Non-return)	COMFORT 15-14 B/BA	40	00ID8748

CATEGORY 1 - MAGNA1 VARIABLE SPEED CIRCULATORS

Model	Pump Ports	£	Product Code	Model	Pump Ports	£	Product Code
SINGLE HEAD MAGNA1 VARIABLE SPEED CIRCULATORS				MAGNA1			
230-240V 1ph 50Hz							
MAGNA1 25-40	1½" BSPM	444	99221216	MAGNA1 65-40F	65mm Flanged	1540	99221382
MAGNA1 25-60	1½" BSPM	527	99221217	MAGNA1 65-60F	65mm Flanged	1760	99221371
MAGNA1 25-80	1½" BSPM	601	99221213	MAGNA1 65-80F	65mm Flanged	1915	99221372
MAGNA1 25-100	1½" BSPM	666	99221214	MAGNA1 65-100F	65mm Flanged	2019	99221373
MAGNA1 25-120	1½" BSPM	748	99221215	MAGNA1 65-120F	65mm Flanged	2164	99221374
MAGNA1 32-40	2" BSPM	546	99221233	MAGNA1 65-150F	65mm Flanged	2497	99221375
MAGNA1 32-60	2" BSPM	639	99221234	MAGNA1 80-60F	80mm Flanged	2029	99221406
MAGNA1 32-80	2" BSPM	667	99221235	MAGNA1 80-80F	80mm Flanged	2185	99221407
MAGNA1 32-100	2" BSPM	730	99221236	MAGNA1 80-100F	80mm Flanged	2383	99221408
MAGNA1 32-40F	32mm Flanged	601	99221263	MAGNA1 80-120F	80mm Flanged	2674	99221409
MAGNA1 32-60F	32mm Flanged	703	99221269	MAGNA1 100-40F	100mm Flanged	2164	99221438
MAGNA1 32-80F	32mm Flanged	740	99221275	MAGNA1 100-60F	100mm Flanged	2362	99221439
MAGNA1 32-100F	32mm Flanged	850	99221237	MAGNA1 100-80F	100mm Flanged	2559	99221440
MAGNA1 32-120F	32mm Flanged	1123	99221285	MAGNA1 100-100F	100mm Flanged	2789	99221441
MAGNA1 40-40F*	40mm Flanged	750	99221291	MAGNA1 100-120F	100mm Flanged	3164	99221442
MAGNA1 40-60F*	40mm Flanged	823	99221292				
MAGNA1 40-80F*	40mm Flanged	1078	99221303				
MAGNA1 40-100F*	40mm Flanged	1192	99221304				
MAGNA1 40-120F	40mm Flanged	1346	99221305				
MAGNA1 40-150F	40mm Flanged	1614	99221306				
MAGNA1 40-180F	40mm Flanged	1857	99221307				
MAGNA1 50-60F**	50mm Flanged	1447	99221333				
MAGNA1 50-80F	50mm Flanged	1592	99221334				
MAGNA1 50-100F	50mm Flanged	1686	99221335				
MAGNA1 50-120F	50mm Flanged	1780	99221336				
MAGNA1 50-150F	50mm Flanged	2050	99221337				
MAGNA1 50-180F	50mm Flanged	2403	99221338				



TWIN HEAD MAGNA1 VARIABLE SPEED CIRCULATORS				MAGNA1 D			
230-240V 1ph 50Hz							
MAGNA1 D 32-40	2" BSPM	1106	99221238	MAGNA1 D 65-40F	65mm Flanged	3116	99221376
MAGNA1 D 32-60	2" BSPM	1230	99221239	MAGNA1 D 65-60F	65mm Flanged	3558	99221377
MAGNA1 D 32-80	2" BSPM	1349	99221240	MAGNA1 D 65-80F	65mm Flanged	3873	99221378
MAGNA1 D 32-100	2" BSPM	1409	99221241	MAGNA1 D 65-100F	65mm Flanged	4084	99221379
MAGNA1 D 32-40F	32mm Flanged	1218	99221267	MAGNA1 D 65-120F	65mm Flanged	4379	99221380
MAGNA1 D 32-60F	32mm Flanged	1356	99221273	MAGNA1 D 65-150F	65mm Flanged	5051	99221381
MAGNA1 D 32-80F	32mm Flanged	1499	99221279	MAGNA1 D 80-40F	80mm Flanged	3409	99230392
MAGNA1 D 32-100F	32mm Flanged	1578	99221242	MAGNA1 D 80-60F	80mm Flanged	3755	99221414
MAGNA1 D 32-120F	32mm Flanged	2273	99221286	MAGNA1 D 80-80F	80mm Flanged	4045	99221415
MAGNA1 D 40-40F*	40mm Flanged	1518	99221293	MAGNA1 D 80-100F	80mm Flanged	4411	99221416
MAGNA1 D 40-60F*	40mm Flanged	1530	99221294	MAGNA1 D 80-120F	80mm Flanged	4950	99221417
MAGNA1 D 40-80F*	40mm Flanged	2144	99221308	MAGNA1 D 100-40F	100mm Flanged	4006	99221448
MAGNA1 D 40-100F*	40mm Flanged	2364	99221309	MAGNA1 D 100-60F	100mm Flanged	4372	99221449
MAGNA1 D 40-120F	40mm Flanged	2842	99221310	MAGNA1 D 100-80F	100mm Flanged	4738	99221450
MAGNA1 D 40-150F	40mm Flanged	3205	99221311	MAGNA1 D 100-100F	100mm Flanged	5162	99221451
MAGNA1 D 40-180F	40mm Flanged	3687	99221312	MAGNA1 D 100-120F	100mm Flanged	5854	99221452
MAGNA1 D 50-40F**	50mm Flanged	2485	99230357				
MAGNA1 D 50-60F**	50mm Flanged	2927	99221339				
MAGNA1 D 50-80F	50mm Flanged	3222	99221340				
MAGNA1 D 50-100F	50mm Flanged	3410	99221341				
MAGNA1 D 50-120F	50mm Flanged	3600	99221342				
MAGNA1 D 50-150F	50mm Flanged	4148	99221343				
MAGNA1 D 50-180F	50mm Flanged	4863	99221345				

*/** 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

Model	Pump Ports	£	Product Code	Model	Pump Ports	£	Product Code
SINGLE HEAD MAGNA3 VARIABLE SPEED CIRCULATORS				MAGNA3			
230-240V 1ph 50Hz							
MAGNA3 25-40	1½" BSPM	493	97924244	MAGNA3 65-40 F	65mm Flanged	2104	97924294
MAGNA3 25-60	1½" BSPM	586	97924245	MAGNA3 65-60 F	65mm Flanged	2402	97924295
MAGNA3 25-80	1½" BSPM	667	97924246	MAGNA3 65-80 F	65mm Flanged	2616	97924296
MAGNA3 25-100	1½" BSPM	739	97924247	MAGNA3 65-100 F	65mm Flanged	2757	97924297
MAGNA3 25-120	1½" BSPM	832	97924248	MAGNA3 65-120 F	65mm Flanged	2957	97924298
MAGNA3 32-40	2" BSPM	604	97924254	MAGNA3 65-150 F	65mm Flanged	3108	97924299
MAGNA3 32-60	2" BSPM	708	97924255	MAGNA3 80-40 F	80mm Flanged	2516	97924306
MAGNA3 32-80	2" BSPM	739	97924256	MAGNA3 80-60 F	80mm Flanged	2772	97924307
MAGNA3 32-100	2" BSPM	810	97924257	MAGNA3 80-80 F	80mm Flanged	2986	97924308
MAGNA3 32-40F	32mm Flanged	667	98333834	MAGNA3 80-100 F	80mm Flanged	2978	97924309
MAGNA3 32-60F	32mm Flanged	780	98333854	MAGNA3 80-120 F	80mm Flanged	3343	97924310
MAGNA3 32-80F	32mm Flanged	821	98333874	MAGNA3 100-40 F	100mm Flanged	2957	97924311
MAGNA3 32-100F	32mm Flanged	944	97924258	MAGNA3 100-60 F	100mm Flanged	3227	97924312
MAGNA3 32-120 F	32mm Flanged	1522	97924259	MAGNA3 100-80 F	100mm Flanged	3200	97924313
MAGNA3 40-40F*	40mm Flanged	832	97924266	MAGNA3 100-100 F	100mm Flanged	3486	97924314
MAGNA3 40-60F*	40mm Flanged	913	97924267	MAGNA3 100-120 F	100mm Flanged	3953	97924315
MAGNA3 40-80 F*	40mm Flanged	1258	97924268				
MAGNA3 40-100 F*	40mm Flanged	1385	97924269				
MAGNA3 40-120 F	40mm Flanged	1586	97924270				
MAGNA3 40-150 F	40mm Flanged	1880	97924271				
MAGNA3 40-180 F	40mm Flanged	2162	97924272				
MAGNA3 50-40 F**	50mm Flanged	1678	97924280				
MAGNA3 50-60 F**	50mm Flanged	1975	97924281				
MAGNA3 50-80 F	50mm Flanged	2176	97924282				
MAGNA3 50-100 F	50mm Flanged	2303	97924283				
MAGNA3 50-120 F	50mm Flanged	2430	97924284				
MAGNA3 50-150 F	50mm Flanged	2800	97924285				
MAGNA3 50-180 F	50mm Flanged	3283	97924286				



TWIN HEAD MAGNA3 D VARIABLE SPEED CIRCULATORS				MAGNA3 D			
230-240V 1ph 50Hz							
MAGNA3 D 32-40	2" BSPM	1408	97924449	MAGNA3 D 65-40 F	65mm Flanged	3893	97924489
MAGNA3 D 32-60	2" BSPM	1646	97924450	MAGNA3 D 65-60 F	65mm Flanged	4733	97924490
MAGNA3 D 32-80	2" BSPM	1718	97924451	MAGNA3 D 65-80 F	65mm Flanged	4841	97924491
MAGNA3 D 32-100	2" BSPM	1886	97924452	MAGNA3 D 65-100 F	65mm Flanged	5433	97924492
MAGNA3 D 32-40F	32mm Flanged	1551	98333840	MAGNA3 D 65-120 F	65mm Flanged	5472	97924493
MAGNA3 D 32-60F	32mm Flanged	1813	98333860	MAGNA3 D 65-150 F	65mm Flanged	5862	97924494
MAGNA3 D 32-80F	32mm Flanged	1909	98333880	MAGNA3 D 80-40 F	80mm Flanged	4089	97924501
MAGNA3 D 32-100F	32mm Flanged	2195	97924453	MAGNA3 D 80-60 F	80mm Flanged	4510	97924502
MAGNA3 D 32-120 F	32mm Flanged	3025	97924454	MAGNA3 D 80-80 F	80mm Flanged	4858	97924503
MAGNA3 D 40-40F*	40mm Flanged	1932	97924461	MAGNA3 D 80-100 F	80mm Flanged	5594	97924504
MAGNA3 D 40-60F*	40mm Flanged	2124	97924462	MAGNA3 D 80-120 F	80mm Flanged	6277	97924505
MAGNA3 D 40-80 F*	40mm Flanged	2669	97924463	MAGNA3 D 100-40 F	100mm Flanged	4810	97924506
MAGNA3 D 40-100 F*	40mm Flanged	2955	97924464	MAGNA3 D 100-60 F	100mm Flanged	5253	97924507
MAGNA3 D 40-120 F	40mm Flanged	3552	97924465	MAGNA3 D 100-80 F	100mm Flanged	6009	97924508
MAGNA3 D 40-150 F	40mm Flanged	4006	97924466	MAGNA3 D 100-100 F	100mm Flanged	6870	97924509
MAGNA3 D 40-180 F	40mm Flanged	4613	97924467	MAGNA3 D 100-120 F	100mm Flanged	7426	97924510
MAGNA3 D 50-40 F**	50mm Flanged	3304	97924475				
MAGNA3 D 50-60 F**	50mm Flanged	3893	97924476				
MAGNA3 D 50-80 F	50mm Flanged	4285	97924477				
MAGNA3 D 50-100 F	50mm Flanged	4536	97924478				
MAGNA3 D 50-120 F	50mm Flanged	4788	97924479				
MAGNA3 D 50-150 F	50mm Flanged	5517	97924480				
MAGNA3 D 50-180 F	50mm Flanged	6077	97924481				

*/** Due to differences in port to port dimensions, when replacing MAGNA or UPS/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

Model	Pump Ports	£	Product Code	Model	Pump Ports	£	Product Code
SINGLE HEAD MAGNA1 N VARIABLE SPEED CIRCULATORS - WRAS Approved				MAGNA1 N			
230-240V 1ph 50Hz							
MAGNA1 25-40N	1½" BSPM	688	99221223	MAGNA1 65-40FN	65mm Flanged	2387	99221394
MAGNA1 25-60N	1½" BSPM	817	99221224	MAGNA1 65-60FN	65mm Flanged	2726	99221395
MAGNA1 25-80N	1½" BSPM	933	99221225	MAGNA1 65-80FN	65mm Flanged	3198	99221396
MAGNA1 25-100N	1½" BSPM	1031	99221226	MAGNA1 65-100FN	65mm Flanged	3129	99221397
MAGNA1 25-120N	1½" BSPM	1160	99221227	MAGNA1 65-120FN	65mm Flanged	3355	99221398
MAGNA1 32-40N	2" BSPM	847	99221253	MAGNA1 65-150FN	65mm Flanged	3871	99221399
MAGNA1 32-60N	2" BSPM	990	99221254				
MAGNA1 32-80N	2" BSPM	1033	99221255				
MAGNA1 32-100N	2" BSPM	1130	99221256				
MAGNA1 32-40FN	32mm Flanged	933	99221265				
MAGNA1 32-60FN	32mm Flanged	1091	99221271				
MAGNA1 32-80FN	32mm Flanged	1148	99221277				
MAGNA1 32-100FN	32mm Flanged	1317	99221257				
MAGNA1 32-120FN	32mm Flanged	1726	99221289				
MAGNA1 40-40FN	40mm Flanged	1163	99221299				
MAGNA1 40-60FN	40mm Flanged	1274	99221300				
MAGNA1 40-80FN	40mm Flanged	1725	99221323				
MAGNA1 40-100FN	40mm Flanged	1903	99221324				
MAGNA1 40-120FN	40mm Flanged	2113	99221325				
MAGNA1 40-150FN	40mm Flanged	2580	99221326				
MAGNA1 40-180FN	40mm Flanged	2968	99221327				
MAGNA1 50-60FN	50mm Flanged	2242	99221358				
MAGNA1 50-80FN	50mm Flanged	2468	99221359				
MAGNA1 50-100FN	50mm Flanged	2614	99221360				
MAGNA1 50-120FN	50mm Flanged	2758	99221361				
MAGNA1 50-150FN	50mm Flanged	3178	99221362				
MAGNA1 50-180FN	50mm Flanged	3726	99221363				

SINGLE HEAD MAGNA3 N VARIABLE SPEED CIRCULATORS - WRAS Approved				MAGNA3 N			
230-240V 1ph 50Hz							
MAGNA3 25-40N	1½" BSPM	763	97924336	MAGNA3 65-40FN	65mm Flanged	3215	97924361
MAGNA3 25-60N	1½" BSPM	924	97924337	MAGNA3 65-60FN	65mm Flanged	3724	97924362
MAGNA3 25-80N	1½" BSPM	1033	97924338	MAGNA3 65-80FN	65mm Flanged	4054	97924363
MAGNA3 25-100N	1½" BSPM	1145	97924339	MAGNA3 65-100FN	65mm Flanged	4214	97924364
MAGNA3 25-120N	1½" BSPM	1288	97924340	MAGNA3 65-120FN	65mm Flanged	4583	97924365
MAGNA3 32-40N	2" BSPM	939	97924341	MAGNA3 65-150FN	65mm Flanged	4838	97924366
MAGNA3 32-60N	2" BSPM	1098	97924342				
MAGNA3 32-80N	2" BSPM	1145	97924343				
MAGNA3 32-100N	2" BSPM	1256	97924344				
MAGNA3 32-40FN	32mm Flanged	1033	98333836				
MAGNA3 32-60FN	32mm Flanged	1210	98333856				
MAGNA3 32-80FN	32mm Flanged	1273	98333876				
MAGNA3 32-100FN	32mm Flanged	1464	97924345				
MAGNA3 32-120FN	32mm Flanged	2380	97924346				
MAGNA3 40-40FN	40mm Flanged	1288	97924347				
MAGNA3 40-60FN	40mm Flanged	1507	97924348				
MAGNA3 40-80FN	40mm Flanged	1949	97924349				
MAGNA3 40-100FN	40mm Flanged	2308	97924350				
MAGNA3 40-120FN	40mm Flanged	2864	97924351				
MAGNA3 40-150FN	40mm Flanged	3126	97924352				
MAGNA3 40-180FN	40mm Flanged	3597	97924353				
MAGNA3 50-40FN	50mm Flanged	2563	97924354				
MAGNA3 50-60FN	50mm Flanged	3063	97924355				
MAGNA3 50-80FN	50mm Flanged	3371	97924356				
MAGNA3 50-100FN	50mm Flanged	3569	97924357				
MAGNA3 50-120FN	50mm Flanged	3768	97924358				
MAGNA3 50-150FN	50mm Flanged	4341	97924359				
MAGNA3 50-180FN	50mm Flanged	5090	97924360				

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	1027	98346632	959	98346612
TP 25-80/2 R S**	0.18	10	1"½ BSPM	100	N/A	1144	98282100	1,077	98346639
TP 32-50/2 R S**	0.12	10	2" BSPM	100	N/A	1,284	98282162	1,213	98346615
TP 32-80/2 R S**	0.25	10	2" BSPM	100	N/A	1,443	98346642	1,291	98346623
TP 32-90/2 R S**	0.37	10	2" BSPM	100	N/A	1,552	98282352	1,401	98346629
TP 40-50/2 S	0.12	6/10	40mm Flanged	100	N/A	1,547	98282357	1,477	98346618
TP 40-80/2 S	0.25	6/10	40mm Flanged	100	N/A	1,834	98346645	1,683	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	1,579	98957950	1,434	98436290
TP 32-120/2 B	0.37	6/10	32mm Flanged	200	B1	1,943	98957952	1,798	98154622
TP 32-150/2 B	0.37	6/10	32mm Flanged	200	B1	1,943	98958115	1,798	98283542
TP 32-180/2 B	0.55	6/10	32mm Flanged	200	B1	2,171	98958117	2,026	98958118
TP 32-230/2 B	0.75	6/10	32mm Flanged	200	B1	2,410	98958119	2,253	98938754
TP 40-60/2 B	0.25	6/10	40mm Flanged	200	B1	1,783	98957961	1,639	98178430
TP 40-120/2 B	0.37	6/10	40mm Flanged	200	B1	2,181	98957964	2,036	97822677
TP 40-180/2 B	0.55	6/10	40mm Flanged	200	B1	2,545	98957966	2,400	97846836
TP 40-190/2 B	0.75	16	40mm Flanged	200	B1	2,635	98958126	2,478	98349467
TP 40-230/2 B	1.1	16	40mm Flanged	200	B1	2,710	98958127	2,553	98391065
TP 40-270/2 B	1.5	16	40mm Flanged	200	B1	2,937	98958129	2,780	98958130
TP 50-60/2 B	0.37	6/10	50mm Flanged	200	B1	2,186	98957980	2,041	97958920
TP 50-120/2 B	0.75	6/10	50mm Flanged	200	B1	2,645	98957983	2,488	97955265
TP 50-180/2 B	0.75	6/10	50mm Flanged	200	B1	2,955	98610035	2,798	97959461
TP 65-60/2 B	0.55	6/10	65mm Flanged	200	B1	2,700	98958001	2,490	98165472
TP 65-120/2 B	1.1	6/10	65mm Flanged	200	B1	3,272	98958004	3,115	98400979
TP 65-180/2 B	1.5	6/10	65mm Flanged	200	B1	3,539	98589719	3,382	98165513
TP 80-120/2 B	1.5	6	80mm Flanged	200	B2	4,076	98958078	3,919	98958079
TP 100-120/2 B	2.2	10	100mm Flanged	200	B2	-	-	5,134	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	1,416	98957946	1,349	97952248
TP 32-40/4 B	0.25	6/10	32mm Flanged	200	B1	1,781	98958136	1,636	97909716
TP 32-60/4 B	0.25	6/10	32mm Flanged	200	B1	1,818	98958138	1,674	98958183
TP 40-30/4 B	0.12	6/10	40mm Flanged	200	B1	1,671	98957956	1,604	98122047
TP 40-60/4 B	0.25	6/10	40mm Flanged	200	B1	2,111	98957958	1,966	97968358
TP 40-90/4 B	0.25	16	40mm Flanged	200	B1	2,116	98958142	1,971	98505215
TP 50-30/4 B	0.25	6/10	50mm Flanged	200	B1	2,138	98957970	1,993	98957971
TP 50-60/4 B	0.37	6/10	50mm Flanged	200	B1	2,590	98957975	2,445	97896631
TP 65-30/4 B	0.25	6/10	65mm Flanged	200	B2	2,633	98957991	2,488	98957993
TP 65-60/4 B	0.55	6/10	65mm Flanged	200	B2	3,110	98957999	2,965	97897722
TP 80-30/4 B	0.37	6	80mm Flanged	200	B2	3,469	98958073	3,325	98958075
TP 80-60/4 B	0.75	6	80mm Flanged	200	B2	3,944	98958076	3,787	98585195
TP 100-30/4 B	0.55	6	100mm Flanged	200	B2	4,597	98958080	4,446	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/380-415Y 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	3,242	98416353	3,499	98416384
TPE3 32-120-S	0.25	6/10	32mm Flanged	3,497	98416354	3,754	98416385
TPE3 32-150-S	0.37	6/10	32mm Flanged	3,714	98416355	3,954	98416386
TPE3 32-180-S	0.55	6/10	32mm Flanged	3,937	98416356	4,161	98416387
TPE3 32-200-S	0.75	6/10	32mm Flanged	4,106	98416357	4,314	98416388
TPE3 40-80-S	0.25	6/10	40mm Flanged	3,697	98416504	3,954	98416542
TPE3 40-120-S	0.37	6/10	40mm Flanged	3,922	98416505	4,161	98416543
TPE3 40-150-S	0.55	6/10	40mm Flanged	4,156	98416506	4,381	98416544
TPE3 40-180-S	0.75	6/10	40mm Flanged	4,406	98416507	4,613	98416545
TPE3 40-200-S	1.1	6/10	40mm Flanged	4,591	98416508	4,786	98416546
TPE3 40-240-S	1.5	6/10	40mm Flanged	4,926	98416509	5,106	98416547
TPE3 50-60-S	0.37	6/10	50mm Flanged	3,852	98416672	4,091	98416717
TPE3 50-80-S	0.37	6/10	50mm Flanged	4,074	98416673	4,314	98416718
TPE3 50-120-S	0.55	6/10	50mm Flanged	4,319	98416674	4,543	98416719
TPE3 50-150-S	0.75	6/10	50mm Flanged	4,578	98416675	4,786	98416720
TPE3 50-180-S	1.1	6/10	50mm Flanged	4,841	98416676	5,036	98416721
TPE3 50-200-S	1.5	6/10	50mm Flanged	5,125	98416677	5,305	98416722
TPE3 50-240-S	2.2	6/10	50mm Flanged	-	-	5,583	98416723
TPE3 65-60-S	0.37	6/10	65mm Flanged	4,304	98416833	4,543	98416873
TPE3 65-80-S	0.55	6/10	65mm Flanged	4,561	98416834	4,786	98416874
TPE3 65-120-S	0.75	6/10	65mm Flanged	4,828	98416835	5,036	98416875
TPE3 65-150-S	1.1	6/10	65mm Flanged	5,110	98416836	5,305	98416876
TPE3 65-180-S	1.5	6/10	65mm Flanged	5,403	98416837	5,583	98416877
TPE3 65-200-S	2.2	6/10	65mm Flanged	-	-	5,875	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	802	98957942	734	98957943
TP 32-40/4	0.25	6/10	32mm Flanged	200	B1	1,034	98958135	889	98958179
TP 32-60/4	0.25	6/10	32mm Flanged	200	B1	1,054	98958137	909	98958182
TP 32-80/4	0.25	16	32mm Flanged	300	B3	1,436	96384199	1,291	96086739
TP 32-100/4	0.37	16	32mm Flanged	300	B3	1,461	96384205	1,316	96086740
TP 32-120/4	0.55	16	32mm Flanged	300	B3	1,506	96384211	1,361	96086741
TP 40-30/4	0.12	6/10	40mm Flanged	200	B1	934	98957953	867	98896273
TP 40-60/4	0.25	6/10	40mm Flanged	200	B1	1,206	98857066	1,062	98119685
TP 40-90/4	0.25	16	40mm Flanged	200	B1	1,209	98958141	1,064	98462889
TP 40-100/4	0.55	16	40mm Flanged	300	B3	1,626	96384229	1,481	96086883
TP 40-110/4	0.75	16	40mm Flanged	300	B3	1,674	98760171	1,516	98743357
TP 40-140/4	1.1	16	40mm Flanged	300	B3	1,916	98760159	1,758	98743317
TP 50-30/4	0.25	6/10	50mm Flanged	200	B1	1,221	98957967	#N/A	
TP 50-60/4	0.37	6/10	50mm Flanged	200	B1	1,456	98957972	1,077	98794577
TP 50-90/4	0.55	16	50mm Flanged	300	B3	1,736	96384247	1,591	96087117
TP 50-80/4	0.75	16	50mm Flanged	300	B3	1,921	98760147	1,763	98742972
TP 50-120/4	1.1	16	50mm Flanged	300	B3	1,953	98760135	1,796	98742942
TP 50-140/4	1.5	16	50mm Flanged	300	B3	1,983	98760123	1,826	98742912
TP 50-190/4	2.2	16	50mm Flanged	300	B3	-	-	1,896	96087289
TP 50-230/4	3	16	50mm Flanged	300	B3	-	-	2,071	96087290
TP 65-30/4	0.25	6/10	65mm Flanged	200	B2	1,479	98957986	1,334	98436173
TP 65-60/4	0.55	6/10	65mm Flanged	200	B2	1,728	98957994	1,584	98923198
TP 65-90/4	0.75	16	65mm Flanged	300	B3	1,948	96384283	1,791	96087441
TP 65-110/4	1.1	16	65mm Flanged	300	B3	2,018	96384289	1,861	96087442
TP 65-130/4	1.5	16	65mm Flanged	300	B3	2,121	96384295	1,963	96087443
TP 65-150/4	2.2	16	65mm Flanged	300	B3	-	-	2,131	96087627
TP 65-170/4	3	16	65mm Flanged	300	B3	-	-	2,223	96087628
TP 65-240/4	4	16	65mm Flanged	300	B3	-	-	2,553	96087629
TP 80-30/4	0.37	6	80mm Flanged	200	B2	1,916	98958007	1,771	98958011
TP 80-60/4	0.75	6	80mm Flanged	200	B2	2,168	98958022	2,011	98958026
TP 80-70/4	1.1	16	80mm Flanged	300	B3	2,053	96384301	1,896	96108601
TP 80-90/4	1.5	16	80mm Flanged	300	B3	2,156	96384307	1,998	96108602
TP 80-110/4	2.2	16	80mm Flanged	300	B3	-	-	2,171	96108849
TP 80-150/4	3	16	80mm Flanged	300	B3	-	-	2,275	96108850
TP 80-170/4	4	16	80mm Flanged	300	B3	-	-	2,860	96108851
TP 80-240/4	5.5	16	80mm Flanged	300	B4	-	-	3,275	96108852
TP 80-270/4	7.5	16	80mm Flanged	300	B4	-	-	3,532	96108853
TP 80-340/4	11	16	80mm Flanged	300	Included	-	-	4,414	96108854
TP 100-30/4	0.55	6	100mm Flanged	200	B2	2,507	98958042	2,356	98873387
TP 100-65/4	1.1	16	100mm Flanged	300	B4	2,665	99476455	2,508	99476439
TP 100-70/4	1.5	16	100mm Flanged	300	B4	2,725	96384313	2,568	96109053
TP 100-90/4	2.2	16	100mm Flanged	300	B4	-	-	2,785	96109303
TP 100-110/4	3	16	100mm Flanged	300	B4	-	-	2,967	96109304
TP 100-130/4	4	16	100mm Flanged	300	B4	-	-	3,330	96109305
TP 100-170/4	5.5	16	100mm Flanged	300	B4	-	-	3,772	96109306
TP 100-200/4	7.5	16	100mm Flanged	300	B4	-	-	4,189	96109307
TP 100-250/4	11	16	100mm Flanged	300	Included	-	-	5,170	96109308
TP 100-330/4	15	16	100mm Flanged	300	Included	-	-	5,855	96109309
TP 100-370/4	18.5	16	100mm Flanged	300	Included	-	-	6,846	96109310
TP 100-410/4	22	16	100mm Flanged	300	Included	-	-	7,646	96109311
TP 125-60/4	2.2	16	125mm Flanged	300	N/A	-	-	2,818	98908162
TP 125-80/4	3	16	125mm Flanged	300	N/A	-	-	3,120	98908136
TP 125-95/4	4	16	125mm Flanged	300	N/A	-	-	3,574	98915576
TP 125-110/4	4	16	125mm Flanged	300	B4	-	-	3,617	99366098
TP 125-130/4	5.5	16	125mm Flanged	300	B4	-	-	3,884	96109540
TP 125-160/4	7.5	16	125mm Flanged	300	B4	-	-	5,140	96109541
TP 125-190/4	11	16	125mm Flanged	300	Included	-	-	5,550	98743727
TP 125-230/4	15	16	125mm Flanged	300	Included	-	-	6,122	98743685
TP 125-300/4	18.5	16	125mm Flanged	300	Included	-	-	7,074	98742584
TP 125-340/4	22	16	125mm Flanged	300	Included	-	-	7,836	98742560
TP 125-400/4	30	16	125mm Flanged	300	Included	-	-	8,597	98742536

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	380-415V 3ph 50Hz	
						£	Product Code
						A F A BQQE	
TP 150-70/4	5.5	16	150mm Flanged	300	N/A	4,336	98908308
TP 150-110/4	7.5	16	150mm Flanged	300	N/A	5,633	98908287
TP 150-155/4	11	16	150mm Flanged	300	N/A	6,267	98908267
TP 150-170/4	15	16	150mm Flanged	300	N/A	6,754	98908236
TP 150-130/4	7.5	16	150mm Flanged	300	B4	5,712	96109869
TP 150-160/4	11	16	150mm Flanged	300	Included	6,312	96109870
TP 150-200/4	15	16	150mm Flanged	300	Included	6,884	96109871
TP 150-220/4	18.5	16	150mm Flanged	300	Included	7,683	96109872
TP 150-260/4	18.5	16	150mm Flanged	300	N/A	8,218	96306153
TP 150-250/4	22	16	150mm Flanged	300	Included	8,293	96109873
TP 150-280/4	22	16	150mm Flanged	300	N/A	8,712	96306152
TP 150-340/4	30	16	150mm Flanged	300	N/A	9,864	96306151
TP 150-390/4	37	16	150mm Flanged	300	N/A	11,505	96306150
TP 150-450/4	45	16	150mm Flanged	300	N/A	13,581	97927149
TP 150-520/4	55	16	150mm Flanged	300	N/A	14,632	97927148
TP 150-660/4	75	16	150mm Flanged	300	N/A	16,845	97927147
TP 200-50/4	4	16	200mm Flanged	300	N/A	4,843	97927154
TP 200-70/4	5.5	16	200mm Flanged	300	N/A	5,355	97927153
TP 200-90/4	7.5	16	200mm Flanged	300	N/A	6,574	97927152
TP 200-130/4	11	16	200mm Flanged	300	N/A	7,726	97927151
TP 200-150/4	15	16	200mm Flanged	300	N/A	8,028	97927150
TP 200-160/4	15	16	200mm Flanged	300	N/A	8,028	97927159
TP 200-190/4	18.5	16	200mm Flanged	300	N/A	8,213	97927158
TP 200-200/4	22	16	200mm Flanged	300	N/A	8,760	97927157
TP 200-240/4	30	16	200mm Flanged	300	N/A	10,865	97927156
TP 200-290/4	37	16	200mm Flanged	300	N/A	13,086	97927155
TP 200-330/4	37	16	200mm Flanged	300	N/A	13,478	96306170
TP 200-270/4	45	16	200mm Flanged	300	N/A	13,808	96306158
TP 200-360/4	45	16	200mm Flanged	300	N/A	14,300	96306169
TP 200-320/4	55	16	200mm Flanged	300	N/A	15,122	96306157
TP 200-400/4	55	16	200mm Flanged	300	N/A	15,451	96306168
TP 200-410/4	75	16	200mm Flanged	300	N/A	16,765	96306156
TP 200-470/4	75	16	200mm Flanged	300	N/A	17,422	96306167
TP 200-530/4	90	16	200mm Flanged	300	N/A	20,052	96306166
TP 200-590/4	110	16	200mm Flanged	300	N/A	22,353	96306165
TP 200-660/4	132	16	200mm Flanged	300	N/A	28,530	96306164
						A F O BQQE	
TP 300-190/4	30	16	300mm Flanged	300	N/A	21,647	99087574
TP 300-220/4	37	16	300mm Flanged	300	N/A	21,921	99087573
TP 300-250/4	45	16	300mm Flanged	300	N/A	24,086	99087572
TP 300-290/4	55	16	300mm Flanged	300	N/A	26,155	99087571
TP 300-390/4	75	16	300mm Flanged	300	N/A	30,402	99087570
TP 300-420/4	90	16	300mm Flanged	300	N/A	33,444	99087569
TP 300-430/4	110	16	300mm Flanged	300	N/A	35,607	99087568
TP 300-500/4	132	16	300mm Flanged	300	N/A	37,209	99087567
TP 300-550/4	160	16	300mm Flanged	300	N/A	39,534	99087566
TP 350-280/4	75	16	350mm Flanged	300	N/A	27,934	99087582
TP 350-320/4	90	16	350mm Flanged	300	N/A	33,019	99087581
TP 350-360/4	110	16	350mm Flanged	300	N/A	35,333	99087580
TP 350-420/4	132	16	350mm Flanged	300	N/A	36,831	99087579
TP 350-480/4	160	16	350mm Flanged	300	N/A	39,121	99087578
TP 350-530/4	200	16	350mm Flanged	300	N/A	47,408	99087577
TP 350-650/4	250	16	350mm Flanged	300	N/A	58,329	99087576
TP 350-780/4	315	16	350mm Flanged	300	N/A	67,990	99087575

CAST IRON PUMPS COMPLETE WITH 6 POLES ELECTRIC MOTOR

Model	P2 kW	PN bar	Pipework Connection	Design series	Optional baseplate	380-415V 3ph 50Hz	
						£	Product Code
						A F A BQQE	
TP 125-60/6	1.5	16	125mm Flanged	300	B4	3,237	96109647
TP 125-70/6	2.2	16	125mm Flanged	300	B4	3,427	96109648
TP 125-80/6	3	16	125mm Flanged	300	B4	3,999	98743793
TP 125-100/6	4	16	125mm Flanged	300	B4	4,379	98743769
TP 125-130/6	5.5	16	125mm Flanged	300	B4	4,951	98742650
TP 125-160/6	7.5	16	125mm Flanged	300	B4	6,474	98742626
TP 150-60/6	2.2	16	150mm Flanged	300	B4	3,772	96109937
TP 150-70/6	3	16	150mm Flanged	300	B4	4,341	96109994
TP 150-90/6	4	16	150mm Flanged	300	B4	4,761	96109995
TP 150-110/6	5.5	16	150mm Flanged	300	B4	5,330	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	580	98346587	512	98281476
TP 25-80/2 R **	0.18	10	1"½ BSPM	100	N/A	639	98346596	572	98282096
TP 25-90/2 R **	0.37	10	1"½ BSPM	100	N/A	772	98346604	627	98282133
TP 32-50/2 R **	0.12	10	2" BSPM	100	N/A	715	98346590	644	98282120
TP 32-80/2 R **	0.25	10	2" BSPM	100	N/A	835	98346599	684	98282166
TP 32-90/2 R **	0.37	10	2" BSPM	100	N/A	892	98299122	741	98346582
TP 32-60/2	0.25	6/10	32mm Flanged	200	B1	924	98957947	779	98946132
TP 32-120/2	0.25	6/10	32mm Flanged	200	B1	1,119	98602057	974	98464186
TP 32-150/2	0.37	6/10	32mm Flanged	200	B1	1,119	98958114	974	97897469
TP 32-180/2	0.55	6/10	32mm Flanged	200	B1	1,239	98958116	1,094	98592079
TP 32-230/2	0.75	6/10	32mm Flanged	200	B1	1,369	98841196	1,211	98278909
TP 32-200/2	1.1	16	32mm Flanged	300	B3	1,501	96384217	1,344	96086673
TP 32-250/2	1.5	16	32mm Flanged	300	B3	1,656	96384223	1,499	96086674
TP 32-320/2	2.2	16	32mm Flanged	300	B3	-	-	1,619	96086777
TP 32-380/2	3	16	32mm Flanged	300	B3	-	-	1,758	96086778
TP 32-460/2	4	16	32mm Flanged	300	B3	-	-	1,808	96086779
TP 32-580/2	5.5	16	32mm Flanged	300	B3	-	-	2,241	96086780
TP 40-50/2	0.12	6/10	40mm Flanged	100	N/A	851	98346593	780	98282356
TP 40-80/2	0.25	6/10	40mm Flanged	100	N/A	1,038	98282358	887	98346578
TP 40-90/2	0.37	6/10	40mm Flanged	100	N/A	1,096	98346609	944	98282359
TP 40-60/2	0.25	6/10	40mm Flanged	200	B1	1,037	98957960	892	98122409
TP 40-120/2	0.37	6/10	40mm Flanged	200	B1	1,244	98957962	1,099	97851334
TP 40-180/2	0.55	6/10	40mm Flanged	200	B1	1,434	98957965	1,289	98133671
TP 40-190/2	0.75	16	40mm Flanged	200	B1	1,486	98958125	1,329	98294231
TP 40-230/2	1.1	16	40mm Flanged	200	B1	1,526	98617267	1,369	98066916
TP 40-270/2	1.5	16	40mm Flanged	200	B1	1,644	98958128	1,486	98133646
TP 40-240/2	2.2	16	40mm Flanged	300	B3	-	-	1,723	96086923
TP 40-300/2	3	16	40mm Flanged	300	B3	-	-	1,826	96086924
TP 40-360/2	4	16	40mm Flanged	300	B3	-	-	2,068	96086925
TP 40-430/2	5.5	16	40mm Flanged	300	B3	-	-	2,688	98743275
TP 40-530/2	7.5	16	40mm Flanged	300	B3	-	-	2,860	98743233
TP 40-630/2	11	16	40mm Flanged	300	Included	-	-	4,111	98743200
TP 50-60/2	0.37	6/10	50mm Flanged	200	B1	1,246	98957977	1,102	98182027
TP 50-120/2	0.75	6/10	50mm Flanged	200	B1	1,491	98810439	1,334	98279255
TP 50-180/2	0.75	6/10	50mm Flanged	200	B1	1,654	98179119	1,496	98133648
TP 50-160/2	1.1	16	50mm Flanged	300	B3	1,686	96384271	1,529	96086995
TP 50-190/2	1.5	16	50mm Flanged	300	B3	1,811	96384277	1,654	96086996
TP 50-240/2	2.2	16	50mm Flanged	300	B3	-	-	1,731	96087195
TP 50-290/2	3	16	50mm Flanged	300	B3	-	-	1,843	96087196
TP 50-360/2	4	16	50mm Flanged	300	B3	-	-	2,118	96087197
TP 50-430/2	5.5	16	50mm Flanged	300	B3	-	-	2,805	96087198
TP 50-420/2	7.5	16	50mm Flanged	300	B3	-	-	2,930	98742870
TP 50-540/2	11	16	50mm Flanged	300	Included	-	-	4,181	98742818
TP 50-630/2	15	16	50mm Flanged	300	Included	-	-	4,424	98742776
TP 50-710/2	15	16	50mm Flanged	300	Included	-	-	4,424	96087201
TP 50-830/2	18.5	16	50mm Flanged	300	Included	-	-	5,493	96087202
TP 50-900/2	22	16	50mm Flanged	300	Included	-	-	6,284	96087203
TP 65-60/2	0.55	6/10	65mm Flanged	200	B1	1,546	98830723	1,336	98509608
TP 65-120/2	1.1	6/10	65mm Flanged	200	B1	1,818	98830721	1,661	98585759
TP 65-180/2	1.5	6/10	65mm Flanged	200	B1	1,958	98929072	1,801	98420371
TP 65-170/2	2.2	16	65mm Flanged	300	B3	-	-	1,736	98742433
TP 65-210/2	3	16	65mm Flanged	300	B3	-	-	1,861	98742391
TP 65-250/2	4	16	65mm Flanged	300	B3	-	-	2,131	98742352
TP 65-340/2	5.5	16	65mm Flanged	300	B3	-	-	2,860	96087524
TP 65-410/2	7.5	16	65mm Flanged	300	B3	-	-	2,997	96087525
TP 65-460/2	11	16	65mm Flanged	300	Included	-	-	4,251	96087526
TP 65-550/2	15	16	65mm Flanged	300	Included	-	-	4,976	96087527
TP 65-660/2	18.5	16	65mm Flanged	300	Included	-	-	5,870	96087528
TP 65-720/2	22	16	65mm Flanged	300	Included	-	-	6,534	96087529
TP 65-930/2	30	16	65mm Flanged	300	Included	-	-	7,576	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	
						2,238	98958035	2,081	98843904
						A F A BQQE		A F A BQQE	
TP 80-140/2	2.2	16	80mm Flanged	300	B3	-	-	1,826	96108717
TP 80-180/2	3	16	80mm Flanged	300	B3	-	-	1,998	96108718
TP 80-210/2	4	16	80mm Flanged	300	B3	-	-	2,243	96108719
TP 80-240/2	5.5	16	80mm Flanged	300	B3	-	-	2,370	96108720
TP 80-250/2	7.5	16	80mm Flanged	300	B3	-	-	3,067	96108721
TP 80-330/2	11	16	80mm Flanged	300	Included	-	-	4,354	96108722
TP 80-400/2	15	16	80mm Flanged	300	Included	-	-	4,369	96108723
TP 80-520/2	18.5	16	80mm Flanged	300	Included	-	-	5,435	96108724
TP 80-570/2	22	16	80mm Flanged	300	Included	-	-	6,767	96108725
TP 80-700/2	30	16	80mm Flanged	300	Included	-	-	7,678	96108726
						AI F A BQQE		AI F A BQQE	
TP 100-120/2	2.2	6	100mm Flanged	200	B2	-	-	2,716	98958092
						A F A BQQE		A F A BQQE	
TP 100-160/2	4	16	100mm Flanged	300	B3	-	-	2,126	96109189
TP 100-200/2	5.5	16	100mm Flanged	300	B3	-	-	2,675	96109190
TP 100-240/2	7.5	16	100mm Flanged	300	B3	-	-	2,785	96109191
TP 100-250/2	11	16	100mm Flanged	300	Included	-	-	4,491	96109192
TP 100-310/2	15	16	100mm Flanged	300	Included	-	-	5,043	96109193
TP 100-360/2	18.5	16	100mm Flanged	300	Included	-	-	6,077	96109194
TP 100-390/2	22	16	100mm Flanged	300	Included	-	-	6,904	96109195
TP 100-480/2	30	16	100mm Flanged	300	Included	-	-	7,801	96109196
						AI F A BQQE		AI F A BQQE	
TP 125-310/2	22	16	125mm Flanged	300	Included	-	-	6,167	99128261
TP 125-360/2	30	16	125mm Flanged	300	Included	-	-	7,481	99128258

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.

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 - 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	1,539	98957944	1,404	98957945
TPD 32-40/4	0.25	6/10	32mm Flanged	200	N/A	1,986	98958139	1,696	98958184
TPD 32-60/4	0.25	6/10	32mm Flanged	200	N/A	2,023	98958140	1,733	98958180
TPD 32-80/4	0.25	16	32mm Flanged	300	B5	2,847	96384202	2,558	96086757
TPD 32-100/4	0.37	16	32mm Flanged	300	B5	2,897	96384208	2,608	96086758
TPD 32-120/4	0.55	16	32mm Flanged	300	B5	2,985	96384214	2,695	96086759
TPD 40-30/4	0.12	6/10	40mm Flanged	200	N/A	1,786	98957954	1,651	98957955
TPD 40-90/4	0.25	16	40mm Flanged	200	N/A	2,318	98958143	2,028	98958181
TPD 40-100/4	0.55	16	40mm Flanged	300	B5	3,225	96384232	2,935	96086901
TPD 40-110/4	0.75	16	40mm Flanged	300	B5	3,195	98760141	2,880	98743363
TPD 40-140/4	1.1	16	40mm Flanged	300	B5	3,654	98760138	3,340	98743333
TPD 50-30/4	0.25	6/10	50mm Flanged	200	N/A	2,343	98957968	2,053	98957969
TPD 50-60/4	0.37	6/10	50mm Flanged	200	N/A	2,790	98958087	2,500	98958089
TPD 50-90/4	0.55	16	50mm Flanged	300	B5	3,442	96384250	3,152	96087153
TPD 50-80/4	0.75	16	50mm Flanged	300	B5	3,667	98760132	3,352	98742978
TPD 50-120/4	1.1	16	50mm Flanged	300	B5	3,727	98760129	3,412	98742948
TPD 50-140/4	1.5	16	50mm Flanged	300	B5	3,784	98760126	3,469	98742918
TPD 50-190/4	2.2	16	50mm Flanged	300	B5	-	-	3,752	96087301
TPD 50-230/4	3	16	50mm Flanged	300	B5	-	-	4,101	96087302
TPD 65-30/4	0.25	6/10	65mm Flanged	200	N/A	2,830	98957988	2,540	98957990
TPD 65-60/4	0.55	6/10	65mm Flanged	200	N/A	3,305	98957996	3,015	98957998
TPD 65-90/4	0.75	16	65mm Flanged	300	B5	3,862	96384286	3,547	96087477
TPD 65-110/4	1.1	16	65mm Flanged	300	B5	3,999	96384292	3,684	96087478
TPD 65-130/4	1.5	16	65mm Flanged	300	B5	4,204	96384298	3,889	96087479
TPD 65-150/4	2.2	16	65mm Flanged	300	B5	-	-	4,216	96087645
TPD 65-170/4	3	16	65mm Flanged	300	B5	-	-	4,401	96087646
TPD 65-240/4	4	16	65mm Flanged	300	B5	-	-	5,056	96087647
TPD 80-30/4	0.37	6	80mm Flanged	200	N/A	3,662	98958013	3,372	98958017
TPD 80-60/4	0.75	6	80mm Flanged	200	N/A	4,144	98958027	3,829	98958031
TPD 80-70/4	1.1	16	80mm Flanged	300	B5	4,066	96384304	3,752	96108657
TPD 80-90/4	1.5	16	80mm Flanged	300	B5	4,271	96384310	3,957	96108658
TPD 80-110/4	2.2	16	80mm Flanged	300	B5	-	-	4,299	96108891
TPD 80-150/4	3	16	80mm Flanged	300	B5	-	-	4,504	96108892
TPD 80-170/4	4	16	80mm Flanged	300	B5	-	-	5,663	96108893
TPD 80-240/4	5.5	16	80mm Flanged	300	B7	-	-	6,484	96108894
TPD 80-270/4	7.5	16	80mm Flanged	300	B7	-	-	6,994	96108895
TPD 80-340/4	11	16	80mm Flanged	300	Included	-	-	8,525	96108896
TPD 100-30/4	0.55	6	100mm Flanged	200	N/A	4,583	98958047	4,294	98958051
TPD 100-65/4	1.1	16	100mm Flanged	300	B6	5,280	99476469	4,966	99476465
TPD 100-70/4	1.5	16	100mm Flanged	300	B6	5,400	96384316	5,086	96109123
TPD 100-90/4	2.2	16	100mm Flanged	300	B6	-	-	5,515	96109366
TPD 100-110/4	3	16	100mm Flanged	300	B6	-	-	5,875	96109367
TPD 100-130/4	4	16	100mm Flanged	300	B6	-	-	6,589	96109368
TPD 100-170/4	5.5	16	100mm Flanged	300	B6	-	-	7,164	96109369
TPD 100-200/4	7.5	16	100mm Flanged	300	B7	-	-	7,958	96109370
TPD 100-250/4	11	16	100mm Flanged	300	Included	-	-	9,627	96109371
TPD 100-330/4	15	16	100mm Flanged	300	Included	-	-	10,928	96109372
TPD 100-370/4	18.5	16	100mm Flanged	300	Included	-	-	12,809	96109373
TPD 100-410/4	22	16	100mm Flanged	300	Included	-	-	14,330	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	-	-	6,874	96109595
TPD 125-130/4	5.5	16	125mm Flanged	300	B7	-	-	7,381	96109596
TPD 125-160/4	7.5	16	125mm Flanged	300	B7	-	-	9,769	96109597
TPD 125-190/4	11	16	125mm Flanged	300	Included	-	-	10,348	98743739
TPD 125-230/4	15	16	125mm Flanged	300	Included	-	-	11,435	98743697
TPD 125-300/4	18.5	16	125mm Flanged	300	Included	-	-	13,243	98742596
TPD 125-340/4	22	16	125mm Flanged	300	Included	-	-	14,690	98742572
TPD 125-400/4	30	16	125mm Flanged	300	Included	-	-	16,138	98742548
TPD 150-130/4	7.5	16	150mm Flanged	300	B7	-	-	10,853	96109904
TPD 150-160/4	11	16	150mm Flanged	300	Included	-	-	11,797	96109905
TPD 150-200/4	15	16	150mm Flanged	300	Included	-	-	12,881	96109906
TPD 150-220/4	18.5	16	150mm Flanged	300	Included	-	-	14,402	96109907
TPD 150-250/4	22	16	150mm Flanged	300	Included	-	-	15,559	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	-	-	6,409	96109689
TPD 125-70/6	2.2	16	125mm Flanged	300	B7	-	-	6,787	96109690
TPD 125-80/6	3	16	125mm Flanged	300	B7	-	-	7,918	98743808
TPD 125-100/6	4	16	125mm Flanged	300	B7	-	-	8,672	98743781
TPD 125-130/6	5.5	16	125mm Flanged	300	B7	-	-	9,801	98742662
TPD 125-160/6	7.5	16	125mm Flanged	300	B7	-	-	12,819	98742638
TPD 150-60/6	2.2	16	150mm Flanged	300	B7	-	-	7,466	96109965
TPD 150-70/6	3	16	150mm Flanged	300	B7	-	-	8,595	96109966
TPD 150-90/6	4	16	150mm Flanged	300	B7	-	-	9,424	96110023
TPD 150-110/6	5.5	16	150mm Flanged	300	B7	-	-	10,556	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	1,778	98957948	1,489	98957949
TPD 32-120/2	0.25	6/10	32mm Flanged	200	N/A	2,148	98906995	1,858	98957951
TPD 32-150/2	0.37	6/10	32mm Flanged	200	N/A	2,148	98958120	1,858	97900333
TPD 32-180/2	0.55	6/10	32mm Flanged	200	N/A	2,375	98958121	2,086	98958122
TPD 32-230/2	0.75	6/10	32mm Flanged	200	N/A	2,628	98958123	2,313	98958124
TPD 32-200/2	1.1	16	32mm Flanged	300	B5	2,975	96384220	2,660	96086709
TPD 32-250/2	1.5	16	32mm Flanged	300	B5	3,282	96384226	2,967	96086710
TPD 32-320/2	2.2	16	32mm Flanged	300	B5	-	-	3,207	96086801
TPD 32-380/2	3	16	32mm Flanged	300	B5	-	-	3,479	96086802
TPD 32-460/2	4	16	32mm Flanged	300	B5	-	-	3,582	96086803
TPD 32-580/2	5.5	16	32mm Flanged	300	B5	-	-	4,434	96086804
TPD 40-60/2	0.25	6/10	40mm Flanged	200	N/A	1,991	98470784	1,701	98455942
TPD 40-120/2	0.37	6/10	40mm Flanged	200	N/A	2,385	98957963	2,096	98083077
TPD 40-190/2	0.75	16	40mm Flanged	200	N/A	2,845	98958131	2,530	98173086
TPD 40-230/2	1.1	16	40mm Flanged	200	N/A	2,920	98958132	2,605	98958133
TPD 40-270/2	1.5	16	40mm Flanged	200	N/A	3,147	98958134	2,833	98915456
TPD 40-240/2	2.2	16	40mm Flanged	300	B5	-	-	3,412	96086953
TPD 40-300/2	3	16	40mm Flanged	300	B5	-	-	3,614	96086954
TPD 40-360/2	4	16	40mm Flanged	300	B5	-	-	4,094	96086955
TPD 40-430/2	5.5	16	40mm Flanged	300	B5	-	-	5,106	98743287
TPD 40-530/2	7.5	16	40mm Flanged	300	B5	-	-	5,433	98743245
TPD 40-630/2	11	16	40mm Flanged	300	Included	-	-	7,616	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	2,388	98957978	2,098	98957979
TPD 50-120/2	0.75	6/10	50mm Flanged	200	N/A	2,855	98957981	2,540	98957982
TPD 50-180/2	0.75	6/10	50mm Flanged	200	N/A	3,162	98957984	2,847	98957985
TPD 50-160/2	1.1	16	50mm Flanged	300	B5	3,340	96384274	3,025	96087061
TPD 50-190/2	1.5	16	50mm Flanged	300	B5	3,589	96384280	3,275	96087062
TPD 50-240/2	2.2	16	50mm Flanged	300	B5	-	-	3,424	96087249
TPD 50-290/2	3	16	50mm Flanged	300	B5	-	-	3,649	96087250
TPD 50-360/2	4	16	50mm Flanged	300	B5	-	-	4,196	96087251
TPD 50-430/2	5.5	16	50mm Flanged	300	B5	-	-	5,553	96087252
TPD 50-420/2	7.5	16	50mm Flanged	300	B5	-	-	5,565	98742882
TPD 50-540/2	11	16	50mm Flanged	300	Included	-	-	7,748	98742830
TPD 50-630/2	15	16	50mm Flanged	300	Included	-	-	8,208	98742788
TPD 50-710/2	15	16	50mm Flanged	300	Included	-	-	8,542	96087255
TPD 50-830/2	18.5	16	50mm Flanged	300	Included	-	-	10,658	96087256
TPD 50-900/2	22	16	50mm Flanged	300	Included	-	-	12,227	96087257
TPD 65-60/2	0.55	6/10	65mm Flanged	200	N/A	2,835	98958090	2,545	98958091
TPD 65-120/2	1.1	6/10	65mm Flanged	200	N/A	3,477	98958002	3,162	98958003
TPD 65-180/2	1.5	6/10	65mm Flanged	200	N/A	3,744	98958005	3,429	98958006
TPD 65-170/2	2.2	16	65mm Flanged	300	B5	-	-	3,439	98742445
TPD 65-210/2	3	16	65mm Flanged	300	B5	-	-	3,684	98742403
TPD 65-250/2	4	16	65mm Flanged	300	B5	-	-	4,216	98742364
TPD 65-340/2	5.5	16	65mm Flanged	300	B5	-	-	5,663	96087584
TPD 65-410/2	7.5	16	65mm Flanged	300	B5	-	-	5,935	96087585
TPD 65-460/2	11	16	65mm Flanged	300	Included	-	-	8,200	96087586
TPD 65-550/2	15	16	65mm Flanged	300	Included	-	-	9,634	96087587
TPD 65-660/2	18.5	16	65mm Flanged	300	Included	-	-	11,407	96087588
TPD 65-720/2	22	16	65mm Flanged	300	Included	-	-	12,724	96087589
TPD 65-930/2	30	16	65mm Flanged	300	Included	-	-	14,782	96087590
TPD 80-120/2	1.5	10	80mm Flanged	200	N/A	4,276	98958037	3,962	98958039
TPD 80-140/2	2.2	16	80mm Flanged	300	B5	-	-	3,614	96108787
TPD 80-180/2	3	16	80mm Flanged	300	B5	-	-	3,957	96108788
TPD 80-210/2	4	16	80mm Flanged	300	B5	-	-	4,439	96108789
TPD 80-240/2	5.5	16	80mm Flanged	300	B5	-	-	4,499	96108790
TPD 80-250/2	7.5	16	80mm Flanged	300	B5	-	-	6,072	96108791
TPD 80-330/2	11	16	80mm Flanged	300	Included	-	-	8,405	96108792
TPD 80-400/2	15	16	80mm Flanged	300	Included	-	-	8,433	96108793
TPD 80-520/2	18.5	16	80mm Flanged	300	Included	-	-	10,548	96108794
TPD 80-570/2	22	16	80mm Flanged	300	Included	-	-	13,181	96108795
TPD 80-700/2	30	16	80mm Flanged	300	Included	-	-	14,989	96108796
TPD 100-120/2	2.2	6	100mm Flanged	200	N/A	-	-	4,948	98958094
TPD 100-160/2	4	16	100mm Flanged	300	B5	-	-	4,211	96109245
TPD 100-200/2	5.5	16	100mm Flanged	300	B5	-	-	5,298	96109246
TPD 100-240/2	7.5	16	100mm Flanged	300	B5	-	-	5,515	96109247
TPD 100-250/2	11	16	100mm Flanged	300	Included	-	-	8,680	96109248
TPD 100-310/2	15	16	100mm Flanged	300	Included	-	-	9,771	96109249
TPD 100-360/2	18.5	16	100mm Flanged	300	Included	-	-	11,817	96109250
TPD 100-390/2	22	16	100mm Flanged	300	Included	-	-	13,453	96109251
TPD 100-480/2	30	16	100mm Flanged	300	Included	-	-	15,229	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.



Notes

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	1,738	98438338	1,996	98437880
TPE2 32-120-N	0.25	6/10	32mm Flanged	0-1 bar	1,948	98438339	2,206	98437881
TPE2 32-150-N	0.37	6/10	32mm Flanged	0-1.6 bar	2,116	98438340	2,355	98437882
TPE2 32-180-N	0.55	6/10	32mm Flanged	0-2.5 bar	2,288	98438341	2,513	98437883
TPE2 32-200-N	0.75	6/10	32mm Flanged	0-2.5 bar	2,403	98438342	2,610	98437884
TPE2 40-80-N	0.25	6/10	40mm Flanged	0-1 bar	2,098	98438343	2,355	98437885
TPE2 40-120-N	0.37	6/10	40mm Flanged	0-1.6 bar	2,273	98438344	2,513	98437886
TPE2 40-150-N	0.55	6/10	40mm Flanged	0-1.6 bar	2,453	98438345	2,678	98437887
TPE2 40-180-N	0.75	6/10	40mm Flanged	0-2.5 bar	2,645	98438346	2,852	98437888
TPE2 40-200-N	1.1	6/10	40mm Flanged	0-2.5 bar	2,770	98438347	2,965	98437889
TPE2 40-240-N	1.5	6/10	40mm Flanged	0-2.5 bar	3,045	98438348	3,225	98437890
TPE2 50-60-N	0.37	6/10	50mm Flanged	0-0.6 bar	2,203	98438349	2,443	98437891
TPE2 50-80-N	0.37	6/10	50mm Flanged	0-1 bar	2,370	98438350	2,610	98437892
TPE2 50-120-N	0.55	6/10	50mm Flanged	0-1.6 bar	2,558	98438351	2,783	98437893
TPE2 50-150-N	0.75	6/10	50mm Flanged	0-1.6 bar	2,758	98438352	2,965	98437894
TPE2 50-180-N	1.1	6/10	50mm Flanged	0-2.5 bar	2,960	98438353	3,155	98437895
TPE2 50-200-N	1.5	6/10	50mm Flanged	0-2.5 bar	3,177	98438354	3,357	98437896
TPE2 50-240-N	2.2	6/10	50mm Flanged	0-2.5 bar	-	-	3,567	98437897
TPE2 65-60-N	0.37	6/10	65mm Flanged	0-0.6 bar	2,543	98438355	2,783	98437898
TPE2 65-80-N	0.55	6/10	65mm Flanged	0-1 bar	2,740	98438356	2,965	98437899
TPE2 65-120-N	0.75	6/10	65mm Flanged	0-1.6 bar	2,947	98438357	3,155	98437900
TPE2 65-150-N	1.1	6/10	65mm Flanged	0-1.6 bar	3,162	98438358	3,357	98437901
TPE2 65-180-N	1.5	6/10	65mm Flanged	0-2.5 bar	3,387	98438359	3,567	98437902
TPE2 65-200-N	2.2	6/10	65mm Flanged	0-2.5 bar	-	-	3,787	98437903
TPE2 80-40-N	0.25	10	80mm Flanged	0-0.6 bar	2,525	98437735	2,783	98437601
TPE2 80-120-N	1.1	10	80mm Flanged	0-1.6 bar	3,372	98437737	3,567	98437603
TPE2 80-150-N	1.5	10	80mm Flanged	0-1.6 bar	3,607	98437738	3,787	98437604
TPE2 80-180-N	2.2	10	80mm Flanged	0-2.5 bar	-	-	4,019	98437605
TPE2 100-40-N	0.25	10	100mm Flanged	0-0.6 bar	2,708	98437726	2,965	98437612
TPE2 100-120-N	1.1	10	100mm Flanged	0-1.6 bar	3,592	98437728	3,787	98437614
TPE2 100-150-N	1.5	10	100mm Flanged	0-1.6 bar	3,839	98437729	4,019	98437615
TPE2 100-180-N	2.2	10	100mm Flanged	0-2.5 bar	-	-	4,264	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	3,405	98438555	3,922	98438125
TPE2 D 32-120-N	0.25	6/10	32mm Flanged	0-1 bar	3,677	98438556	4,194	98438126
TPE2 D 32-150-N	0.37	6/10	32mm Flanged	0-1.6 bar	3,996	98438557	4,476	98438127
TPE2 D 32-180-N	0.55	6/10	32mm Flanged	0-2.5 bar	4,196	98438558	4,646	98438128
TPE2 D 32-200-N	0.75	6/10	32mm Flanged	0-2.5 bar	4,676	98438559	5,088	98438129
TPE2 D 40-80-N	0.25	6/10	40mm Flanged	0-1 bar	3,959	98438560	4,476	98438130
TPE2 D 40-120-N	0.37	6/10	40mm Flanged	0-1.6 bar	4,294	98438561	4,773	98438131
TPE2 D 40-150-N	0.55	6/10	40mm Flanged	0-1.6 bar	4,638	98438562	5,088	98438132
TPE2 D 40-180-N	0.75	6/10	40mm Flanged	0-2.5 bar	4,878	98438563	5,290	98438133
TPE2 D 40-200-N	1.1	6/10	40mm Flanged	0-2.5 bar	5,248	98438564	5,635	98438134
TPE2 D 40-240-N	1.5	6/10	40mm Flanged	0-2.5 bar	5,633	98438565	5,995	98438135
TPE2 D 50-60-N	0.37	6/10	50mm Flanged	0-0.6 bar	4,166	98438566	4,646	98438136
TPE2 D 50-80-N	0.37	6/10	50mm Flanged	0-1 bar	4,479	98438567	4,958	98438137
TPE2 D 50-120-N	0.55	6/10	50mm Flanged	0-1.6 bar	4,841	98438568	5,290	98438138
TPE2 D 50-150-N	0.75	6/10	50mm Flanged	0-1.6 bar	5,223	98438569	5,635	98438139
TPE2 D 50-180-N	1.1	6/10	50mm Flanged	0-2.5 bar	5,608	98438570	5,995	98438140
TPE2 D 50-200-N	1.5	6/10	50mm Flanged	0-2.5 bar	6,017	98438571	6,379	98438141
TPE2 D 50-240-N	2.2	6/10	50mm Flanged	0-2.5 bar	-	-	6,777	98438142
TPE2 D 65-60-N	0.37	6/10	65mm Flanged	0-0.6 bar	4,811	98438572	5,290	98438143
TPE2 D 65-80-N	0.55	6/10	65mm Flanged	0-1 bar	5,185	98438573	5,635	98438144
TPE2 D 65-120-N	0.75	6/10	65mm Flanged	0-1.6 bar	5,583	98438574	5,995	98438145
TPE2 D 65-150-N	1.1	6/10	65mm Flanged	0-1.6 bar	5,992	98438575	6,379	98438146
TPE2 D 65-180-N	1.5	6/10	65mm Flanged	0-2.5 bar	6,414	98438576	6,777	98438147
TPE2 D 65-200-N	2.2	6/10	65mm Flanged	0-2.5 bar	-	-	7,194	98438148
TPE2 D 80-40-N	0.25	10	80mm Flanged	0-0.6 bar	4,773	98437784	5,290	98437671
TPE2 D 80-120-N	1.1	10	80mm Flanged	0-1.6 bar	6,389	98437786	6,777	98437673
TPE2 D 80-150-N	1.5	10	80mm Flanged	0-1.6 bar	6,831	98437787	7,194	98437674
TPE2 D 80-180-N	2.2	10	80mm Flanged	0-2.5 bar	-	-	7,636	98437675
TPE2 D 100-40-N	0.25	10	100mm Flanged	0-0.6 bar	5,118	98437788	5,635	98437676
TPE2 D 100-120-N	1.1	10	100mm Flanged	0-1.6 bar	6,807	98437790	7,194	98437678
TPE2 D 100-150-N	1.5	10	100mm Flanged	0-1.6 bar	7,274	98437791	7,636	98437679
TPE2 D 100-180-N	2.2	10	100mm Flanged	0-2.5 bar	-	-	8,100	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	2,411	99272234	2,835	99272202
TPE3 32-120-S	0.25	6/10	32mm Flanged	2,609	99272235	3,045	99272203
TPE3 32-150-S	0.37	6/10	32mm Flanged	2,766	99272236	2,993	99272204
TPE3 32-180-S	0.55	6/10	32mm Flanged	2,924	99272237	3,138	99272205
TPE3 32-200-S	0.75	6/10	32mm Flanged	3,033	99272238	3,228	99272206
TPE3 40-80-S	0.25	6/10	40mm Flanged	2,937	99272239	3,195	99272207
TPE3 40-120-S	0.37	6/10	40mm Flanged	2,911	99272240	3,138	99272208
TPE3 40-150-S	0.55	6/10	40mm Flanged	3,078	99272241	3,292	99272209
TPE3 40-180-S	0.75	6/10	40mm Flanged	3,260	99272242	3,456	99272210
TPE3 40-200-S	1.1	6/10	40mm Flanged	3,609	99272253	3,561	99272211
TPE3 40-240-S	1.5	6/10	40mm Flanged	3,630	99272254	3,800	99272212
TPE3 50-60-S	0.37	6/10	50mm Flanged	3,042	99272255	3,073	99272213
TPE3 50-80-S	0.37	6/10	50mm Flanged	3,210	99272256	3,228	99272214
TPE3 50-120-S	0.55	6/10	50mm Flanged	3,177	99272257	3,389	99272215
TPE3 50-150-S	0.75	6/10	50mm Flanged	3,597	99272258	3,561	99272216
TPE3 50-180-S	1.1	6/10	50mm Flanged	3,554	99272259	3,738	99272217
TPE3 50-200-S	1.5	6/10	50mm Flanged	3,753	99272260	3,926	99272218
TPE3 50-240-S	2.2	6/10	50mm Flanged	-	-	4,122	99272219
TPE3 65-60-S	0.37	6/10	65mm Flanged	3,382	99272261	3,622	99272220
TPE3 65-80-S	0.55	6/10	65mm Flanged	3,579	99272262	3,561	99272221
TPE3 65-120-S	0.75	6/10	65mm Flanged	3,542	99272263	3,738	99272222
TPE3 65-150-S	1.1	6/10	65mm Flanged	3,742	99272264	3,926	99272223
TPE3 65-180-S	1.5	6/10	65mm Flanged	3,951	99272265	4,122	99272224
TPE3 65-200-S	2.2	6/10	65mm Flanged	-	-	4,626	99272225
TPE3 80-40-S	0.25	10	80mm Flanged	3,365	99272196	3,622	99272188
TPE3 80-120-S	1.1	10	80mm Flanged	3,937	99272197	4,122	99272189
TPE3 80-150-S	1.5	10	80mm Flanged	4,156	99272198	4,326	99272190
TPE3 80-180-S	2.2	10	80mm Flanged	-	-	4,858	99272191
TPE3 100-40-S	0.25	10	100mm Flanged	3,547	99272199	3,804	99272192
TPE3 100-120-S	1.1	10	100mm Flanged	4,431	99272200	4,326	99272193
TPE3 100-150-S	1.5	10	100mm Flanged	4,678	99272201	4,858	99272194
TPE3 100-180-S	2.2	10	100mm Flanged	-	-	4,773	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	4,244	99272582	4,761	99272540
TPE3 D 32-120-S	0.25	6/10	32mm Flanged	4,516	99272583	5,033	99272541
TPE3 D 32-150-S	0.37	6/10	32mm Flanged	4,836	99272584	5,315	99272542
TPE3 D 32-180-S	0.55	6/10	32mm Flanged	5,036	99272585	5,485	99272543
TPE3 D 32-200-S	0.75	6/10	32mm Flanged	5,515	99272586	5,927	99272544
TPE3 D 40-80-S	0.25	6/10	40mm Flanged	4,798	99272587	5,315	99272545
TPE3 D 40-120-S	0.37	6/10	40mm Flanged	5,133	99272588	5,613	99272546
TPE3 D 40-150-S	0.55	6/10	40mm Flanged	5,478	99272589	5,927	99272547
TPE3 D 40-180-S	0.75	6/10	40mm Flanged	5,717	99272590	6,130	99272548
TPE3 D 40-200-S	1.1	6/10	40mm Flanged	6,087	99272591	6,474	99272549
TPE3 D 40-240-S	1.5	6/10	40mm Flanged	6,472	99272592	6,834	99272550
TPE3 D 50-60-S	0.37	6/10	50mm Flanged	5,006	99272593	5,485	99272551
TPE3 D 50-80-S	0.37	6/10	50mm Flanged	5,318	99272594	5,797	99272552
TPE3 D 50-120-S	0.55	6/10	50mm Flanged	5,680	99272595	6,130	99272553
TPE3 D 50-150-S	0.75	6/10	50mm Flanged	6,062	99272596	6,474	99272554
TPE3 D 50-180-S	1.1	6/10	50mm Flanged	6,447	99272597	6,834	99272555
TPE3 D 50-200-S	1.5	6/10	50mm Flanged	6,856	99272598	7,219	99272556
TPE3 D 50-240-S	2.2	6/10	50mm Flanged	-	-	7,616	99272557
TPE3 D 65-60-S	0.37	6/10	65mm Flanged	5,650	99272599	6,130	99272558
TPE3 D 65-80-S	0.55	6/10	65mm Flanged	6,025	99272600	6,474	99272559
TPE3 D 65-120-S	0.75	6/10	65mm Flanged	6,422	99272601	6,834	99272560
TPE3 D 65-150-S	1.1	6/10	65mm Flanged	6,831	99272602	7,219	99272561
TPE3 D 65-180-S	1.5	6/10	65mm Flanged	7,254	99272603	7,616	99272562
TPE3 D 65-200-S	2.2	6/10	65mm Flanged	-	-	8,033	99272573
TPE3 D 80-40-S	0.25	10	80mm Flanged	5,613	99272534	6,130	99272526
TPE3 D 80-120-S	1.1	10	80mm Flanged	7,229	99272535	7,616	99272527
TPE3 D 80-150-S	1.5	10	80mm Flanged	7,671	99272536	8,033	99272528
TPE3 D 80-180-S	2.2	10	80mm Flanged	-	-	8,475	99272529
TPE3 D 100-40-S	0.25	10	100mm Flanged	5,957	99272537	6,474	99272530
TPE3 D 100-120-S	1.1	10	100mm Flanged	7,646	99272538	8,033	99272531
TPE3 D 100-150-S	1.5	10	100mm Flanged	8,113	99272539	8,475	99272532
TPE3 D 100-180-S	2.2	10	100mm Flanged	-	-	8,940	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

Model	P2 kW	PN bar	Pipework Connection	Transducer Range	Design series	380-480/500V 3ph 50/60Hz	
						£	Product Code
						A F A BQQE	
TPE 65-240/4	4	16	65mm Flanged	0-4 bar	300	4,853	99113696
TPE 80-150/4	3	16	80mm Flanged	0-2.5 bar	300	4,296	99113698
TPE 80-170/4	4	16	80mm Flanged	0-2.5 bar	300	5,160	99113699
TPE 80-240/4	5.5	16	80mm Flanged	0-4 bar	300	6,042	99113700
TPE 80-270/4	7.5	16	80mm Flanged	0-4 bar	300	6,804	99113701
TPE 80-340/4	11	16	80mm Flanged	0-4 bar	300	8,617	96110190
TPE 100-65/4	1.1	16	100mm Flanged	0-1 bar	300	3,887	99476471
TPE 100-70/4	1.5	16	100mm Flanged	0-1 bar	300	4,024	99113702
TPE 100-90/4	2.2	16	100mm Flanged	0-1.6 bar	300	4,519	99113703
TPE 100-110/4	3	16	100mm Flanged	0-1.6 bar	300	4,988	99113704
TPE 100-130/4	4	16	100mm Flanged	0-2.5 bar	300	5,630	99113705
TPE 100-170/4	5.5	16	100mm Flanged	0-2.5 bar	300	6,539	99113706
TPE 100-200/4	7.5	16	100mm Flanged	0-2.5 bar	300	7,461	99113707
TPE 100-250/4	11	16	100mm Flanged	0-4 bar	300	9,374	96110403
TPE 100-330/4	15	16	100mm Flanged	0-4 bar	300	10,763	96110404
TPE 100-370/4	18.5	16	100mm Flanged	0-6 bar	300	12,696	96110405
TPE 125-60/4	2.2	16	125mm Flanged	0-1 bar	300	4,551	99113653
TPE 125-80/4	3	16	125mm Flanged	0-1.6 bar	300	5,140	99113654
TPE 125-95/4	4	16	125mm Flanged	0-1.6 bar	300	5,875	99113655
TPE 125-110/4	4	16	125mm Flanged	0-1.6 bar	300	5,917	99113708
TPE 125-130/4	5.5	16	125mm Flanged	0-1.6 bar	300	6,652	99113709
TPE 125-160/4	7.5	16	125mm Flanged	0-2.5 bar	300	8,413	99113710
TPE 125-190/4	11	16	125mm Flanged	0-2.5 bar	300	9,754	98743751
TPE 125-230/4	15	16	125mm Flanged	0-4 bar	300	11,030	98743709
TPE 125-300/4	18.5	16	125mm Flanged	0-4 bar	300	12,924	98742608
TPE 150-70/4	5.5	16	150mm Flanged	0-1.6 bar	300	7,104	99113658
TPE 150-110/4	7.5	16	150mm Flanged	0-1.6 bar	300	8,905	99113659
TPE 150-130/4	7.5	16	150mm Flanged	0-1.6 bar	300	8,985	99113711
TPE 150-155/4	11	16	150mm Flanged	0-2.5 bar	300	10,471	98908273
TPE 150-170/4	15	16	150mm Flanged	0-2.5 bar	300	11,662	98908252
TPE 150-200/4	15	16	150mm Flanged	0-2.5 bar	300	11,792	96110627
TPE 150-220/4	18.5	16	150mm Flanged	0-4.0 bar	300	13,533	96110628
TPE 150-260/4	18.5	16	150mm Flanged	0-4.0 bar	300	14,068	96306287
TPE 200-50/4	4	16	200mm Flanged	0-0.6 bar	300	7,144	99113660
TPE 200-70/4	5.5	16	200mm Flanged	0-1 bar	300	8,123	99113661
TPE 200-90/4	7.5	16	200mm Flanged	0-1 bar	300	9,846	99113662
TPE 200-130/4	11	16	200mm Flanged	0-1.6 bar	300	11,929	97927474
TPE 200-150/4	15	16	200mm Flanged	0-2.5 bar	300	12,936	97927473
TPE 200-160/4	15	16	200mm Flanged	0-2.5 bar	300	12,936	97927479
TPE 200-190/4	18.5	16	200mm Flanged	0-2.5 bar	300	14,063	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	1,375	98525613	-	-
TPE 25-80/2 R**	0.18	10	1"1/2 BSPM	0-1 bar	100	1,461	98525614	-	-
TPE 25-90/2 R**	0.37	10	1"1/2 BSPM	0-1.6 bar	100	1,659	98076621	-	-
						A O A BQQE		A O A BQQE	
TPE 32-50/2 R**	0.12	10	2" BSPM	0-1 bar	100	1,488	98525615	-	-
TPE 32-80/2 R**	0.25	10	2" BSPM	0-1 bar	100	1,645	98112498	-	-
TPE 32-90/2 R**	0.37	10	2" BSPM	0-1.6 bar	100	1,747	98112501	-	-
						A F A BQQE		A F A BQQE	
TPE 32-230/2	0.75	6/10	32mm Flanged	0-4 bar	200	2,218	99114823	2,565	98902601
TPE 32-200/2	1.1	16	32mm Flanged	0-4 bar	300	2,378	98514289	2,723	98514344
TPE 32-250/2	1.5	16	32mm Flanged	0-4 bar	300	2,498	99134541	2,955	98112536
TPE 32-320/2	2.2	16	32mm Flanged	0-4 bar	300	-	-	3,352	98112558
TPE 32-380/2	3	16	32mm Flanged	0-6 bar	300	-	-	3,779	99113926
TPE 32-460/2	4	16	32mm Flanged	0-6 bar	300	-	-	4,109	99113927
TPE 32-580/2	5.5	16	32mm Flanged	0-10 bar	300	-	-	4,843	99113928
TPE 40-50/2	0.12	6/10	40mm Flanged	0-1 bar	100	1,627	98525620	-	-
TPE 40-80/2	0.25	6/10	40mm Flanged	0-1 bar	100	1,854	98112571	-	-
TPE 40-90/2	0.37	6/10	40mm Flanged	0-1.6 bar	100	1,956	98112574	-	-
TPE 40-270/2	1.5	6/10	40mm Flanged	0-4 bar	200	2,485	99134427	2,942	98920110
TPE 40-300/2	3	16	40mm Flanged	0-4 bar	300	-	-	3,847	99113929
TPE 40-360/2	4	16	40mm Flanged	0-6 bar	300	-	-	4,369	99113930
TPE 40-430/2	5.5	16	40mm Flanged	0-6 bar	300	-	-	5,290	99113931
TPE 40-530/2	7.5	16	40mm Flanged	0-10 bar	300	-	-	6,015	99113933
TPE 40-630/2	11	16	40mm Flanged	0-10 bar	300	-	-	8,200	99113935
TPE 50-290/2	3	16	50mm Flanged	0-4 bar	300	-	-	3,864	99113936
TPE 50-360/2	4	16	50mm Flanged	0-6 bar	300	-	-	4,419	99113937
TPE 50-430/2	5.5	16	50mm Flanged	0-6 bar	300	-	-	5,408	99113938
TPE 50-420/2	7.5	16	50mm Flanged	0-6 bar	300	-	-	6,085	99113939
TPE 50-540/2	11	16	50mm Flanged	0-10 bar	300	-	-	8,270	99113940
TPE 50-630/2	15	16	50mm Flanged	0-10 bar	300	-	-	9,219	98742800
TPE 50-710/2	15	16	50mm Flanged	0-10 bar	300	-	-	9,219	96096440
TPE 50-830/2	18.5	16	50mm Flanged	0-10 bar	300	-	-	11,233	96096441
TPE 50-900/2	22	16	50mm Flanged	0-16 bar	300	-	-	12,771	96096442
TPE 65-210/2	3	16	65mm Flanged	0-4 bar	300	-	-	3,882	99113941
TPE 65-250/2	4	16	65mm Flanged	0-4 bar	300	-	-	4,431	99113942
TPE 65-340/2	5.5	16	65mm Flanged	0-4 bar	300	-	-	5,463	99113943
TPE 65-410/2	7.5	16	65mm Flanged	0-6 bar	300	-	-	6,152	99113945
TPE 65-460/2	11	16	65mm Flanged	0-6 bar	300	-	-	8,340	99113946
TPE 65-550/2	15	16	65mm Flanged	0-10 bar	300	-	-	9,771	96096605
TPE 65-660/2	18.5	16	65mm Flanged	0-10 bar	300	-	-	11,610	96096606
TPE 65-720/2	22	16	65mm Flanged	0-10 bar	300	-	-	13,021	96096607
TPE 80-180/2	3	16	80mm Flanged	0-2.5 bar	300	-	-	4,019	99113947
TPE 80-210/2	4	16	80mm Flanged	0-2.5 bar	300	-	-	4,544	99113948
TPE 80-240/2	5.5	16	80mm Flanged	0-4 bar	300	-	-	4,973	99113949
TPE 80-250/2	7.5	16	80mm Flanged	0-4 bar	300	-	-	6,222	99113950
TPE 80-330/2	11	16	80mm Flanged	0-4 bar	300	-	-	8,443	99113951
TPE 80-400/2	15	16	80mm Flanged	0-6 bar	300	-	-	9,164	96110065
TPE 80-520/2	18.5	16	80mm Flanged	0-10 bar	300	-	-	11,175	96110066
TPE 80-570/2	22	16	80mm Flanged	0-10 bar	300	-	-	13,253	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	
						4,334	98958246
						A F A BQQE	
TPE 100-160/2	4	16	100mm Flanged	0-2.5 bar	300	4,426	99113952
TPE 100-200/2	5.5	16	100mm Flanged	0-4 bar	300	5,278	99113964
TPE 100-240/2	7.5	16	100mm Flanged	0-4 bar	300	5,940	99113965
TPE 100-250/2	11	16	100mm Flanged	0-4 bar	300	8,580	99113966
TPE 100-310/2	15	16	100mm Flanged	0-4 bar	300	9,839	96110297
TPE 100-360/2	18.5	16	100mm Flanged	0-6 bar	300	11,817	96110298
TPE 100-390/2	22	16	100mm Flanged	0-6 bar	300	13,391	96110299
TPE 125-310/2	22	16	125mm Flanged	0-6 bar	300	12,654	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	
						£	Product Code
Model	P2 kW	PN bar	Pipework Connection	Transducer Range	Design series	A F A BQQE	
TPED 65-240/4	4	16	65mm Flanged	0-4 bar	300	9,654	99114625
TPED 80-150/4	3	16	80mm Flanged	0-2.5 bar	300	8,545	99114626
TPED 80-170/4	4	16	80mm Flanged	0-2.5 bar	300	10,261	99114627
TPED 80-240/4	5.5	16	80mm Flanged	0-4 bar	300	12,019	99114628
TPED 80-270/4	7.5	16	80mm Flanged	0-4 bar	300	13,536	99114629
TPED 80-340/4	11	16	80mm Flanged	0-4 bar	300	16,928	96110246
TPED 100-65/4	1.1	16	100mm Flanged	0-1 bar	300	7,726	99476475
TPED 100-70/4	1.5	16	100mm Flanged	0-1 bar	300	8,000	99114630
TPED 100-90/4	2.2	16	100mm Flanged	0-1.6 bar	300	8,982	99114631
TPED 100-110/4	3	16	100mm Flanged	0-1.6 bar	300	9,916	99114632
TPED 100-130/4	4	16	100mm Flanged	0-2.5 bar	300	11,188	99114633
TPED 100-170/4	5.5	16	100mm Flanged	0-2.5 bar	300	12,699	99114634
TPED 100-200/4	7.5	16	100mm Flanged	0-2.5 bar	300	14,500	99114635
TPED 100-250/4	11	16	100mm Flanged	0-4 bar	300	18,029	96110473
TPED 100-330/4	15	16	100mm Flanged	0-4 bar	300	20,742	96110474
TPED 100-370/4	18.5	16	100mm Flanged	0-6 bar	300	24,513	96110475
TPED 125-110/4	4	16	125mm Flanged	0-1.6 bar	300	11,472	99114636
TPED 125-130/4	5.5	16	125mm Flanged	0-1.6 bar	300	12,916	99114637
TPED 125-160/4	7.5	16	125mm Flanged	0-2.5 bar	300	16,311	99114638
TPED 125-190/4	11	16	125mm Flanged	0-4 bar	300	18,751	98743760
TPED 125-230/4	15	16	125mm Flanged	0-4 bar	300	21,249	98743718
TPED 125-300/4	18.5	16	125mm Flanged	0-4 bar	300	24,948	98742617
TPED 150-130/4	7.5	16	150mm Flanged	0-1.6 bar	300	17,395	99114639
TPED 150-160/4	11	16	150mm Flanged	0-2.5 bar	300	20,200	96110661
TPED 150-200/4	15	16	150mm Flanged	0-2.5 bar	300	22,695	96110662
TPED 150-220/4	18.5	16	150mm Flanged	0-4 bar	300	26,107	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	4,326	99114820	5,018	99114829
TPED 32-200/2	1.1	16	32mm Flanged	0-4 bar	300	4,726	98512481	5,420	98512486
TPED 32-250/2	1.5	16	32mm Flanged	0-4 bar	300	4,913	99134547	5,882	98112529
TPED 32-320/2	2.2	16	32mm Flanged	0-4 bar	300	-	-	6,674	98112551
TPED 32-380/2	3	16	32mm Flanged	0-6 bar	300	-	-	7,521	99114598
TPED 32-460/2	4	16	32mm Flanged	0-6 bar	300	-	-	8,180	99114599
TPED 32-580/2	5.5	16	32mm Flanged	0-10 bar	300	-	-	9,639	99114600
TPED 40-270/2	1.5	6/10	40mm Flanged	0-4 bar	200	4,778	99134431	5,747	99238980
TPED 40-300/2	3	16	40mm Flanged	0-4 bar	300	-	-	7,656	99114601
TPED 40-360/2	4	16	40mm Flanged	0-6 bar	300	-	-	8,692	99114602
TPED 40-430/2	5.5	16	40mm Flanged	0-6 bar	300	-	-	10,311	99114603
TPED 40-530/2	7.5	16	40mm Flanged	0-10 bar	300	-	-	11,742	99114604
TPED 40-630/2	11	16	40mm Flanged	0-10 bar	300	-	-	15,796	99114605
TPED 50-290/2	3	16	50mm Flanged	0-4 bar	300	-	-	7,691	99114606
TPED 50-360/2	4	16	50mm Flanged	0-6 bar	300	-	-	8,795	99114607
TPED 50-430/2	5.5	16	50mm Flanged	0-6 bar	300	-	-	10,758	99114608
TPED 50-420/2	7.5	16	50mm Flanged	0-6 bar	300	-	-	11,875	99114609
TPED 50-540/2	11	16	50mm Flanged	0-10 bar	300	-	-	15,928	99114610
TPED 50-630/2	15	16	50mm Flanged	0-10 bar	300	-	-	17,797	98742809
TPED 50-710/2	15	16	50mm Flanged	0-10 bar	300	-	-	18,132	96096500
TPED 50-830/2	18.5	16	50mm Flanged	0-10 bar	300	-	-	22,135	96096501
TPED 50-900/2	22	16	50mm Flanged	0-16 bar	300	-	-	25,198	96096502
TPED 65-210/2	3	16	65mm Flanged	0-4 bar	300	-	-	7,726	99114611
TPED 65-250/2	4	16	65mm Flanged	0-4 bar	300	-	-	8,815	99114612
TPED 65-340/2	5.5	16	65mm Flanged	0-4 bar	300	-	-	10,868	99114613
TPED 65-410/2	7.5	16	65mm Flanged	0-6 bar	300	-	-	12,244	99114614
TPED 65-460/2	11	16	65mm Flanged	0-6 bar	300	-	-	16,381	99114615
TPED 65-550/2	15	16	65mm Flanged	0-10 bar	300	-	-	19,223	96096659
TPED 65-660/2	18.5	16	65mm Flanged	0-10 bar	300	-	-	22,885	96096660
TPED 65-720/2	22	16	65mm Flanged	0-10 bar	300	-	-	25,695	96096661
TPED 80-180/2	3	16	80mm Flanged	0-2.5 bar	300	-	-	7,998	99114616
TPED 80-210/2	4	16	80mm Flanged	0-2.5 bar	300	-	-	9,037	99114617
TPED 80-240/2	5.5	16	80mm Flanged	0-4 bar	300	-	-	9,704	99114618
TPED 80-250/2	7.5	16	80mm Flanged	0-4 bar	300	-	-	12,382	99114619
TPED 80-330/2	11	16	80mm Flanged	0-4 bar	300	-	-	16,585	99114620
TPED 80-400/2	15	16	80mm Flanged	0-6 bar	300	-	-	18,022	96110128
TPED 80-520/2	18.5	16	80mm Flanged	0-10 bar	300	-	-	22,026	96110129
TPED 80-570/2	22	16	80mm Flanged	0-10 bar	300	-	-	26,152	96110130
TPED 100-120/2	2.2	6	100mm Flanged	0-1.6 bar	200	-	-	AI F A BQQE	
						-	-	8,415	98958243
TPED 100-160/2	4	16	100mm Flanged	0-2.5 bar	300	-	-	A F A BQQE	
TPED 100-200/2	5.5	16	100mm Flanged	0-4 bar	300	-	-	8,810	99114621
TPED 100-240/2	7.5	16	100mm Flanged	0-4 bar	300	-	-	10,503	99114622
TPED 100-250/2	11	16	100mm Flanged	0-4 bar	300	-	-	11,825	99114623
TPED 100-310/2	15	16	100mm Flanged	0-4 bar	300	-	-	16,860	99114624
TPED 100-360/2	18.5	16	100mm Flanged	0-6 bar	300	-	-	19,360	96110346
TPED 100-390/2	22	16	100mm Flanged	0-6 bar	300	-	-	23,294	96110347
						-	-	26,424	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	5,565	99114825
TPE 80-150/4-S	3	16	80mm Flanged	300	5,008	99114826
TPE 80-170/4-S	4	16	80mm Flanged	300	5,872	99114830
TPE 80-240/4-S	5.5	16	80mm Flanged	300	6,754	99114831
TPE 80-270/4-S	7.5	16	80mm Flanged	300	7,516	99114832
TPE 80-340/4-S	11	16	80mm Flanged	300	9,329	96275968
TPE 100-65/4-S	1.1	16	100mm Flanged	300	4,598	99478030
TPE 100-70/4-S	1.5	16	100mm Flanged	300	4,736	99114813
TPE 100-90/4-S	2.2	16	100mm Flanged	300	5,230	99114815
TPE 100-110/4-S	3	16	100mm Flanged	300	5,700	99114816
TPE 100-130/4-S	4	16	100mm Flanged	300	6,342	99114811
TPE 100-170/4-S	5.5	16	100mm Flanged	300	7,251	99114812
TPE 100-200/4-S	7.5	16	100mm Flanged	300	8,173	99114808
TPE 100-250/4-S	11	16	100mm Flanged	300	10,086	96276046
TPE 100-330/4-S	15	16	100mm Flanged	300	11,475	96276052
TPE 100-370/4-S	18.5	16	100mm Flanged	300	13,408	96276058
TPE 125-60/4-S	2.2	16	125mm Flanged	300	5,263	99114752
TPE 125-80/4-S	3	16	125mm Flanged	300	5,852	99114806
TPE 125-95/4-S	4	16	125mm Flanged	300	6,587	99114807
TPE 125-110/4-S	4	16	125mm Flanged	300	6,629	99114726
TPE 125-130/4-S	5.5	16	125mm Flanged	300	7,364	99114727
TPE 125-160/4-S	7.5	16	125mm Flanged	300	9,124	99114728
TPE 125-190/4-S	11	16	125mm Flanged	300	10,466	98743757
TPE 125-230/4-S	15	16	125mm Flanged	300	11,742	98743715
TPE 125-300/4-S	18.5	16	125mm Flanged	300	13,635	98742614
TPE 150-70/4-S	5.5	16	150mm Flanged	300	7,816	99114732
TPE 150-110/4-S	7.5	16	150mm Flanged	300	9,617	99114733
TPE 150-130/4-S	7.5	16	150mm Flanged	300	9,696	99114734
TPE 150-155/4-S	11	16	150mm Flanged	300	11,183	98908279
TPE 150-170/4-S	15	16	150mm Flanged	300	12,374	98908258
TPE 150-200/4-S	15	16	150mm Flanged	300	12,504	96382690
TPE 150-220/4-S	18.5	16	150mm Flanged	300	14,245	96382693
TPE 150-260/4-S	18.5	16	150mm Flanged	300	14,779	96306319
TPE 200-50/4-S	4	16	200mm Flanged	300	8,000	99114833
TPE 200-70/4-S	5.5	16	200mm Flanged	300	8,998	99114834
TPE 200-90/4-S	7.5	16	200mm Flanged	300	10,753	99114835
TPE 200-130/4-S	11	16	200mm Flanged	300	12,874	97927581
TPE 200-150/4-S	15	16	200mm Flanged	300	13,900	97927580
TPE 200-160/4-S	15	16	200mm Flanged	300	13,900	97927586
TPE 200-190/4-S	18.5	16	200mm Flanged	300	15,047	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	2,984	99133750	3,277	99133770
TPE 32-200/2-S	1.1	16	32mm Flanged	300	3,090	99133585	3,434	99133562
TPE 32-250/2-S	1.5	16	32mm Flanged	300	3,210	99133586	3,667	99133573
TPE 32-320/2-S	2.2	16	32mm Flanged	300	-	-	4,064	99133574
TPE 32-380/2-S	3	16	32mm Flanged	300	-	-	4,491	99114655
TPE 32-460/2-S	4	16	32mm Flanged	300	-	-	4,821	99114656
TPE 32-580/2-S	5.5	16	32mm Flanged	300	-	-	5,555	99114657
TPE 40-270/2-S	1.5	6/10	40mm Flanged	200	3,197	99134456	3,654	99133662
TPE 40-300/2-S	3	16	40mm Flanged	300	-	-	4,558	99114658
TPE 40-360/2-S	4	16	40mm Flanged	300	-	-	5,081	99114659
TPE 40-430/2-S	5.5	16	40mm Flanged	300	-	-	6,002	99114660
TPE 40-530/2-S	7.5	16	40mm Flanged	300	-	-	6,727	99114661
TPE 40-630/2-S	11	16	40mm Flanged	300	-	-	8,912	99114662
TPE 50-290/2-S	3	16	50mm Flanged	300	-	-	4,576	99114663
TPE 50-360/2-S	4	16	50mm Flanged	300	-	-	5,130	99114664
TPE 50-430/2-S	5.5	16	50mm Flanged	300	-	-	6,120	99114665
TPE 50-420/2-S	7.5	16	50mm Flanged	300	-	-	6,797	99114666
TPE 50-540/2-S	11	16	50mm Flanged	300	-	-	8,982	99114668
TPE 50-630/2-S	15	16	50mm Flanged	300	-	-	9,931	98742806
TPE 50-710/2-S	15	16	50mm Flanged	300	-	-	9,931	96397037
TPE 50-830/2-S	18.5	16	50mm Flanged	300	-	-	11,944	96397040
TPE 50-900/2-S	22	16	50mm Flanged	300	-	-	13,483	96397043
TPE 65-210/2-S	3	16	65mm Flanged	300	-	-	4,593	99114669
TPE 65-250/2-S	4	16	65mm Flanged	300	-	-	5,143	99114670
TPE 65-340/2-S	5.5	16	65mm Flanged	300	-	-	6,175	99114671
TPE 65-410/2-S	7.5	16	65mm Flanged	300	-	-	6,864	99114672
TPE 65-460/2-S	11	16	65mm Flanged	300	-	-	9,052	99114673
TPE 65-550/2-S	15	16	65mm Flanged	300	-	-	10,483	96397049
TPE 65-660/2-S	18.5	16	65mm Flanged	300	-	-	12,322	96397052
TPE 65-720/2-S	22	16	65mm Flanged	300	-	-	13,733	96397055
TPE 80-180/2-S	3	16	80mm Flanged	300	-	-	4,731	99114674
TPE 80-210/2-S	4	16	80mm Flanged	300	-	-	5,255	99114719
TPE 80-240/2-S	5.5	16	80mm Flanged	300	-	-	5,685	99114720
TPE 80-250/2-S	7.5	16	80mm Flanged	300	-	-	6,934	99114721
TPE 80-330/2-S	11	16	80mm Flanged	300	-	-	9,154	99114722
TPE 80-400/2-S	15	16	80mm Flanged	300	-	-	9,876	96275644
TPE 80-520/2-S	18.5	16	80mm Flanged	300	-	-	11,887	96397058
TPE 80-570/2-S	22	16	80mm Flanged	300	-	-	13,965	96397061
TPE 100-120/2-S	2.2	6	100mm Flanged	200	-	-	AI F A BQQE	
TPE 100-160/2-S	4	16	100mm Flanged	300	-	-	5,046	99133670
TPE 100-200/2-S	5.5	16	100mm Flanged	300	-	-	A F A BQQE	
TPE 100-240/2-S	7.5	16	100mm Flanged	300	-	-	5,138	99114836
TPE 100-250/2-S	11	16	100mm Flanged	300	-	-	5,990	99114837
TPE 100-310/2-S	15	16	100mm Flanged	300	-	-	6,652	99114838
TPE 100-360/2-S	18.5	16	100mm Flanged	300	-	-	9,292	99114824
TPE 100-390/2-S	22	16	100mm Flanged	300	-	-	10,551	96275686
							12,529	96275692
							14,103	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

					380-480/500V 3ph 50Hz	
					£	Product Code
Model	P2 kW	PN bar	Pipework Connection	Design series	A F A BQQE	
TPED 65-240/4-S	4	16	65mm Flanged	300	10,366	99132851
TPED 80-150/4-S	3	16	80mm Flanged	300	9,257	99132853
TPED 80-170/4-S	4	16	80mm Flanged	300	10,973	99132855
TPED 80-240/4-S	5.5	16	80mm Flanged	300	12,731	99132856
TPED 80-270/4-S	7.5	16	80mm Flanged	300	14,247	99132857
TPED 80-340/4-S	11	16	80mm Flanged	300	17,639	96945801
TPED 100-65/4-S	1.1	16	100mm Flanged	300	8,438	99478033
TPED 100-70/4-S	1.5	16	100mm Flanged	300	8,712	99132858
TPED 100-90/4-S	2.2	16	100mm Flanged	300	9,694	99132859
TPED 100-110/4-S	3	16	100mm Flanged	300	10,628	99132860
TPED 100-130/4-S	4	16	100mm Flanged	300	11,900	99132861
TPED 100-170/4-S	5.5	16	100mm Flanged	300	13,411	99132862
TPED 100-200/4-S	7.5	16	100mm Flanged	300	15,212	99132863
TPED 100-250/4-S	11	16	100mm Flanged	300	18,741	96945808
TPED 100-330/4-S	15	16	100mm Flanged	300	21,454	96945815
TPED 100-370/4-S	18.5	16	100mm Flanged	300	25,225	96945836
TPED 125-110/4-S	4	16	125mm Flanged	300	12,184	99132864
TPED 125-130/4-S	5.5	16	125mm Flanged	300	13,628	99132865
TPED 125-160/4-S	7.5	16	125mm Flanged	300	17,023	99132866
TPED 125-190/4-S	11	16	125mm Flanged	300	19,463	98743766
TPED 125-230/4-S	15	16	125mm Flanged	300	21,961	98743724
TPED 125-300/4-S	18.5	16	125mm Flanged	300	25,660	98742623
TPED 150-130/4-S	7.5	16	150mm Flanged	300	18,107	99132868
TPED 150-160/4-S	11	16	150mm Flanged	300	20,912	96946129
TPED 150-200/4-S	15	16	150mm Flanged	300	23,407	96945832
TPED 150-220/4-S	18.5	16	150mm Flanged	300	26,819	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	5,038	99133613	5,956	99133609
TPED 32-200/2-S	1.1	16	32mm Flanged	300	5,438	99133596	6,132	99133591
TPED 32-250/2-S	1.5	16	32mm Flanged	300	5,625	99133598	6,594	99133592
TPED 32-320/2-S	2.2	16	32mm Flanged	300	-	-	7,386	99133593
TPED 32-380/2-S	3	16	32mm Flanged	300	-	-	8,233	99132803
TPED 32-460/2-S	4	16	32mm Flanged	300	-	-	8,892	99132804
TPED 32-580/2-S	5.5	16	32mm Flanged	300	-	-	10,351	99132805
TPED 40-270/2-S	1.5	6/10	40mm Flanged	200	5,490	99134474	6,715	99133715
TPED 40-300/2-S	3	16	40mm Flanged	300	-	-	8,368	99132806
TPED 40-360/2-S	4	16	40mm Flanged	300	-	-	9,404	99132807
TPED 40-430/2-S	5.5	16	40mm Flanged	300	-	-	11,023	99132808
TPED 40-530/2-S	7.5	16	40mm Flanged	300	-	-	12,454	99132809
TPED 40-630/2-S	11	16	40mm Flanged	300	-	-	16,508	99132811
TPED 50-290/2-S	3	16	50mm Flanged	300	-	-	8,403	99132812
TPED 50-360/2-S	4	16	50mm Flanged	300	-	-	9,507	99132823
TPED 50-430/2-S	5.5	16	50mm Flanged	300	-	-	11,470	99132824
TPED 50-420/2-S	7.5	16	50mm Flanged	300	-	-	12,586	99132825
TPED 50-540/2-S	11	16	50mm Flanged	300	-	-	16,640	99132829
TPED 50-630/2-S	15	16	50mm Flanged	300	-	-	18,509	98742815
TPED 50-710/2-S	15	16	50mm Flanged	300	-	-	18,843	96945769
TPED 50-830/2-S	18.5	16	50mm Flanged	300	-	-	22,847	96945778
TPED 50-900/2-S	22	16	50mm Flanged	300	-	-	25,910	96945790
TPED 65-210/2-S	3	16	65mm Flanged	300	-	-	8,438	99132830
TPED 65-250/2-S	4	16	65mm Flanged	300	-	-	9,527	99132831
TPED 65-340/2-S	5.5	16	65mm Flanged	300	-	-	11,580	99132832
TPED 65-410/2-S	7.5	16	65mm Flanged	300	-	-	12,956	99132834
TPED 65-460/2-S	11	16	65mm Flanged	300	-	-	17,092	99132835
TPED 65-550/2-S	15	16	65mm Flanged	300	-	-	19,935	96945772
TPED 65-660/2-S	18.5	16	65mm Flanged	300	-	-	23,597	96945781
TPED 65-720/2-S	22	16	65mm Flanged	300	-	-	26,407	96945793
TPED 80-180/2-S	3	16	80mm Flanged	300	-	-	8,710	99132837
TPED 80-210/2-S	4	16	80mm Flanged	300	-	-	9,749	99132838
TPED 80-240/2-S	5.5	16	80mm Flanged	300	-	-	10,416	99132839
TPED 80-250/2-S	7.5	16	80mm Flanged	300	-	-	13,093	99132840
TPED 80-330/2-S	11	16	80mm Flanged	300	-	-	17,297	99132842
TPED 80-400/2-S	15	16	80mm Flanged	300	-	-	18,733	96945763
TPED 80-520/2-S	18.5	16	80mm Flanged	300	-	-	22,737	96945784
TPED 80-570/2-S	22	16	80mm Flanged	300	-	-	26,864	96945797
TPED 100-120/2-S	2.2	6	100mm Flanged	200	-	-	AI F A BQQE	
							9,488	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	-	-	9,522	99132844
TPED 100-240/2-S	7.5	16	100mm Flanged	300	-	-	11,215	99132845
TPED 100-250/2-S	11	16	100mm Flanged	300	-	-	12,536	99132847
TPED 100-310/2-S	15	16	100mm Flanged	300	-	-	17,572	99132849
TPED 100-360/2-S	18.5	16	100mm Flanged	300	-	-	20,072	96945766
TPED 100-390/2-S	22	16	100mm Flanged	300	-	-	24,006	96945775
							27,136	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	54	509903
1½" BSP Flange Set	UP36F	58	509904
2" BSP Flange Set	UP36F	60	509905
2" BSP Special Flange Set	UPS40	168	91200212
1½" BSP PN10/16 Flange Set	UP/MAGNA/TP 32	81	539703
1½" BSP PN10/16 Flange Set	UP/MAGNA/TP 40	88	539701
2" BSP PN10/16 Flange Set	UP/MAGNA/TP 50	108	549801
2½" BSP PN10/16 Flange Set	UP/MAGNA/TP 65	122	559801
3" BSP PN6 Flange Set	MAGNA/TP 80	134	569902
3" BSP PN10/16 Flange Set	UP/MAGNA/TP 80	148	569802
4" BSP PN10/16 Flange Set	UP/MAGNA/TP 100	215	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	45	96569180
80mm PN10/16 Flange Set	TP80	134	569801
100mm PN6 Flange Set	UPS100/TP 100	52	96569181
100mm PN10/16 Flange Set	TP 100	202	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	45	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	45	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	204	96591261
TP(E)D 32/40/50/65/80/100	68	565055
TP(E)D 32/40/50/65/80/100	192	96495694
TP(E)D 32/40/50/80	208	96495695
TP(E)D 50/65	256	96495696
TP(E)D 100/125	208	96525962
TP(E)D 150	570	96525963
TP(E)D 80/100/125	621	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	60	96591246
B2	TP(E) 65 to 100	Series 200	one square base	134	96591245
B3	TP(E) 32 to 100	Series 300 single head	one square base	112	485031
B4	TP(E) 80 to 150	Series 300 single head	one square base	128	96536246
B5	TP(E)D 32 to 100	Series 300 twin head	two separate baseplate runners	122	96489381
B6	TP(E)D 100	Series 300 twin head	two separate baseplate runners	121	96536247
B7	TP(E)D 80 to 150	Series 300 twin head	two separate baseplate runners	134	96536248
	TPE2 D, TPE3 D 32			147	99150053
	TPE2 D, TPE3 D 40			147	99150054
	TPE2 D, TPE3 D 50			147	99150055
	TPE2 D, TPE3 D 65			147	99150056
	TPE2 D, TPE3 D 80			147	99150056
	TPE2 D, TPE3 D 100			147	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
ALPHAxx xx-xx 130	21	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)	224	98538852	193	98354534
MAGNAx 32-40/60/80/100/120 (N)	224	98538853	189	98354535
MAGNAx 32-40/60/80/100 F (N)	217	98538854	194	98354536
MAGNAx 32-120 F (N)	217	98164595	194	98063287
MAGNAx 40-40/60 F (N)	253	98538855	207	98354537
MAGNAx 40-80/100 F (N)	253	98164597	216	98063288
MAGNAx 40-120/150/180 F (N)	274	98164598	231	98145675
MAGNAx 50-40/60/80 F (N)	282	98164599	282	98063289
MAGNAx 50-100/120/150/180 F (N)	282	98164600	262	98145676
MAGNAx 65-40/60/80/100/120/150 F (N)	303	98538839	303	96913593
MAGNAx 80-40/60/80/100/120 F	337	98538851	314	98134265
MAGNAx 100-40/60/80/100/120 F	387	98164611	339	96913589

INSULATION KITS FOR SINGLE HEAD TP(E) PUMPS

	£	Product Code
TP(E) 32-30/4	51	96405871
TP(E) 32-40/4	58	96405880
TP(E) 32-60/2	51	96405873
TP(E) 32-60/4	58	96405880
TP(E) 32-120/2	51	96405873
TP(E) 32-150/2	58	96405880
TP(E) 32-180/2	58	96405880
TP(E) 32-230/2	58	96405880
TP(E) 40-30/4	55	96405874
TP(E) 40-60/4	55	96405875
TP(E) 40-90/4	58	96405880
TP(E) 40-120/2	55	96405877
TP(E) 40-180/2	55	96405878
TP(E) 40-190/2	58	96405880
TP(E) 40-230/2	58	96405880
TP(E) 40-270/2	58	96405880
TP(E) 50-30/4	POA	96405879
TP(E) 50-60/2	58	96405881
TP(E) 50-60/4	58	96405880
TP(E) 50-120/2	58	96405882
TP(E) 50-180/2	58	96405883
TP(E) 65-60/2	64	96405886
TP(E) 65-60/4	64	96405885
TP(E) 65-120/2	64	96405887
TP(E) 65-180/2	64	96405888
TP(E) 80-30/4	POA	96405889
TP(E) 80-60/4	POA	96405890
TP(E) 80-120/2	80	96405891

INSULATION KITS FOR SINGLE HEAD TPE2 AND TPE3 PUMPS

	HEATING		COOLING	
	£	Product Code	£	Product Code
TPE2, TPE3 32-80/120/150/180/200	50	98159366	194	98063287
TPE2, TPE3 40-80/120/150/180/200/240	50	98159368	231	98145675
TPE2, TPE3 50-60/80/120/150/180/200/240	63	98159367	262	98145676
TPE2, TPE3 65-60/80/120/150/180/200/240	59	98159361	303	96913593
TPE2, TPE3 80-40/120/150/180	88	98159363	314	98134265
TPE2, TPE3 100-40/120/150/180	109	98159362	339	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 - UNILIFT KP & CC SUBMERSIBLE PUMPS

KP STAINLESS STEEL SUBMERSIBLE SUMP PUMPS

KP



Unilift KP

240V 1ph 50Hz

Model	£	Product Code
KP 150-M-1 complete with 5 metres of mains cable without level switch	275	011K7100
KP 150-A-1 complete with 5 metres of mains cable and level switch	294	011K7700
KP 150-AV-1 complete with 5 metres of mains cable and level switch	309	011K7500
KP 250-M-1 complete with 5 metres of mains cable without level switch	337	012K7100
KP 250-A-1 complete with 5 metres of mains cable and level switch	356	012K7700
KP 250-AV-1 complete with 5 metres of mains cable and level switch	371	012K7500
KP 350-M-1 complete with 10 metres of mains cable without level switch	396	013N7300
KP 350-A-1 complete with 10 metres of mains cable and level switch	424	013N7800
KP 350-AV-1 complete with 10 metres of mains cable and level switch	484	013N7900

KP AV1 MODELS are for use with clean water only

M=Manual; A=Cable Float; AV= Tube Float

110V 1ph 50Hz	£	Product Code
KP 250-A-1 complete with 5 metres of mains cable and level switch	383	012C6700

KP ACCESSORIES

KP

	£	Product Code
10 Metre Hose Kit comprising 1½" 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

UNILIFT CC MULTI-PURPOSE COMPOSITE SUBMERSIBLE DRAINAGE PUMP

UNILIFT CC



Unilift CC

240V 1ph 50Hz

Model	£	Product Code
Unilift CC 5 M-1 complete with 5 metres of cable without level switch	166	96280977
Unilift CC 5 A-1 complete with 5 metres of cable and level switch	177	96280978
Unilift CC 7 M-1 complete with 10 metres of cable without level switch	200	96280979
Unilift CC 7 A-1 complete with 10 metres of cable and level switch	209	96280980
Unilift CC 9 M-1 complete with 10 metres of cable without level switch	255	96280981
Unilift CC 9 A-1 complete with 10 metres of cable and level switch	270	96280982

M=Manual Operation; A=Automatic Operation



Multibox CC

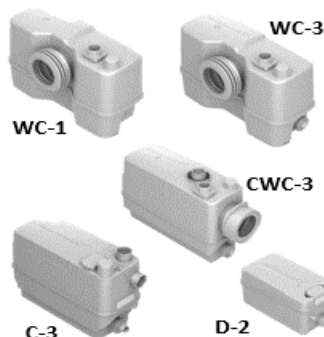
	£	Product Code
Multibox CC 7 A-1 (a boxed Unilift CC 7, c/w 10m lay flat hose and fittings)	502	97519841

CATEGORY 1 - GRUNDFOS DOMESTIC WASTEWATER PRODUCTS

DOMESTIC WASTEWATER PRODUCTS

SOLOLIFT2

230-240V 1ph 50Hz



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

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 - AP STAINLESS STEEL WASTEWATER PUMPS

STAINLESS STEEL WASTE WATER PUMPS

AP



AP 35 submersible

240V 1ph 50Hz

Electric Motor

With Starter

Model	P2 (kW)	£	Product Code
AP 12.40.04.1	0.40	790	96011014
AP 12.40.04.A1	0.40	855	96404179
AP 12.40.06.1	0.60	826	96001732
AP 12.40.06.A1	0.60	912	96404180
AP 12.40.08.1	0.80	918	96001873
AP 12.40.08.A1	0.80	1,005	96404181
AP 12.50.11.1	1.10	1,295	96001962
AP 12.50.11.A1	1.10	1,400	96404182
AP 35.40.06.1	0.60	925	96001808
AP 35.40.06.A1	0.60	1,210	96404183
AP 35.40.08.1	0.80	1,014	96001894
AP 35.40.08.A1	0.80	1,093	96404184
AP 50.50.08.1	0.80	1,330	96010599
AP 50.50.08.A1	0.80	1,452	96404185
AP 50.50.11.1	1.10	2,011	96010581
AP 50.50.11.A1	1.10	2,132	96404186

Please note that all single phase models have self-contained starters built into the head of the pump as standard.

STAINLESS STEEL WASTE WATER PUMPS

AP

415V 3ph 50Hz

Without Starter

With Starter

Model	P2 (kW)	£	£	Product Code
AP 12.40.04.3	0.40	765		96011024
AP 12.40.04.A3	0.40		948	96011025
AP 12.40.06.3	0.60	799		96001652
AP 12.40.06.A3	0.60		1,007	96010923
AP 12.40.08.3	0.80	888		96001791
AP 12.40.08.A3	0.80		1,079	96010925
AP 12.50.11.3	1.10	1,253		96001975
AP 12.50.11.A3	1.10		1,451	96010927
AP 35.40.06.3	0.60	897		96000169
AP 35.40.06.A3	0.60		1,090	96010929
AP 35.40.08.3	0.80	981		96001718
AP 35.40.08.A3	0.80		1,177	96010931
AP 50.50.08.3	0.80	1,288		96010563
AP 50.50.08.A3	0.80		1,491	96010933
AP 50.50.11.3	1.10	1,952		96010562
AP 50.50.11.A3	1.10		2,155	96010935

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

CATEGORY 1 - GRUNDFOS CONLIFT AUTOMATIC CONDENSATE PUMP

CONLIFT



Conlift1

240V 1ph 50Hz

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



Alarm PCB

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



PH+ box

CATEGORY 1 - DOMESTIC PRESSURE BOOSTING AND SHOWER PUMP PRODUCTS

GRUNDFOS HOME BOOSTERS



	Maximum Pressure	£	Product Code
240V 1ph 50Hz			
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

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



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

GRUNDFOS SHOWER PUMPS - STR2 UNIVERSAL HEAD SHOWER BOOSTER



240V 1ph 50Hz		£	Product Code
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 380-440/3/50Hz IP20 RFI FILTER CATEGORY C1

kW	Max output current (A)	IP rating	Enclosure type	£	Product Code
0.55	1.8	IP20	A2	684	96754675
0.75	2.4	IP20	A2	733	96754676
1.1	3	IP20	A2	845	96754677
1.5	4.1	IP20	A2	967	96754678
2.2	5.6	IP20	A2	1,165	96754679
3	7.2	IP20	A2	1,297	96754680
4	10	IP20	A2	1,383	96754681
5.5	13	IP20	A3	1,598	96754692
7.5	16	IP20	A3	1,793	96754693
11	24	IP20	B3	2,181	96754694
15	32	IP20	B3	2,469	96754695
18.5	37.5	IP20	B3	3,093	96754696
22	44	IP20	B4	3,613	96754697
30	61	IP20	B4	4,206	96754698
37	73	IP20	B4	5,083	96754699
45	90	IP20	C3	6,208	96754700
55	106	IP20	C3	7,510	96754701
75	147	IP20	C4	8,655	96754702
90	177	IP20	C4	9,171	96754703



CUE family

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

kW	Max output current (A)	IP rating	Enclosure type	£	Product Code
110	212	IP21	D1h	11,438	97942968
132	260	IP21	D1h	11,995	97942970
160	315	IP21	D2h	14,637	97942992
200	395	IP21	D2h	17,535	97942993
250	480	IP21	D2h	22,503	97942994

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

kW	Max output current (A)	IP rating	Enclosure type	£	Product Code
0.55	1.8	IP55	A4	1,154	97685238
0.75	2.4	IP55	A4	1,166	97685239
1.1	3	IP55	A4	1,188	97685240
1.5	4.1	IP55	A4	1,262	97685251
2.2	5.6	IP55	A4	1,494	97685252
3	7.2	IP55	A4	1,739	97685253
4	10	IP55	A4	1,980	97685254
5.5	13	IP55	A5	2,242	96754711
7.5	16	IP55	A5	2,718	96754722
11	24	IP55	B1	3,170	96754723
15	32	IP55	B1	3,716	96754724
18.5	37.5	IP55	B1	4,449	96754725
22	44	IP55	B2	5,028	96754726
30	61	IP55	B2	5,636	96754727
37	73	IP55	C1	5,929	96754728
45	90	IP55	C1	6,508	96754729
55	106	IP55	C1	7,871	96754730
75	147	IP55	C2	9,066	96754731
90	177	IP55	C2	10,612	96754732

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

kW	Max output current (A)	IP rating	Enclosure type	£	Product Code
110	212	IP54	D1h	12,133	97942995
132	260	IP54	D1h	14,174	97942996
160	315	IP54	D2h	16,811	97942999
200	395	IP54	D2h	19,622	97943000
250	480	IP54	D2h	26,319	97943001

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

CATEGORY 1 - CUE FREQUENCY CONVERTERS WITH RFI FILTER

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

kW	Max output current(A)	IP rating	Enclosure type	£	Product Code
1.1	6.6	IP20	A3	1,578	96754460
1.5	7.5	IP21	B1	1,693	96754461
2.2	10.6	IP21	B1	1,874	96754472
3	12.5	IP21	B1	2,160	96754473
3.7	16.7	IP21	B1	2,512	96754474
5.5	24.2	IP21	B1	2,912	96754475
7.5	30.8	IP21	B2	3,628	96754476

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

kW	Max output current(A)	IP rating	Enclosure type	£	Product Code
1.1	6.6	IP55	A5	1,783	96754481
1.5	7.5	IP55	B1	2,052	96754502
2.2	10.6	IP55	B1	2,388	96754503
3	12.5	IP55	B1	2,673	96754505
3.7	16.7	IP55	B1	3,020	96754506
5.5	24.2	IP55	B1	3,559	96754507
7.5	30.8	IP55	B2	4,265	96754509

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	414	96754941	POA	TBC
0.75	414	96754941	POA	TBC
1.1	475	96754972	POA	TBC
1.5	475	96754972	POA	TBC
2.2	751	96754973	POA	TBC
3	751	96754973	POA	TBC
4	880	96754974	POA	TBC
5.5	965	96754976	POA	TBC
7.5	965	96754976	POA	TBC
11	1502	96754977	1,039	97669799
15	2096	96754978	1,039	97669799
18.5	2096	96754978	1,039	97669799
22	3667	96755019	1,039	97669799
30	3166	96755021	1,844	97669869
37	5006	96755032	1,844	97669869
45	4964	97774436	1,844	97669869
55	4964	97774436	2,343	97669896
75	7168	97775142	2,691	97669902
90	7168	97775142	2,691	97669902
110	8657	97775146	3,424	97669905
132	8657	97775146	3,424	97669905
160	11611	97775148	3,424	97669905
200	11611	97775148	4,037	97669906
250	13938	97775149	4,037	97669906

OUTPUT FILTERS IP20 200-240V 1ph 50Hz

SINE WAVE type	£	Product Code	ACCESSORIES	£	Product Code
1.1	751	96754973	Floor mounting pedestal for D1 & D2 enclosures	1,094	96801230
1.5	751	96754973	Sensor input module MCB 114	250	96760901
2.2	965	96754976			
3	965	96754976			
3.7	965	96754976			
5.5	1,502	96754977			
7.5	2,096	96754978			

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

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	228	99033768
Danfoss MBS 3000	1/2" BSPM	0-4 bar	228	96637450
Danfoss MBS 3000	1/2" BSPM	0-6 bar	228	96637451
Danfoss MBS 3000	1/2" BSPM	0-10 bar	228	96637452
Danfoss MBS 3000	1/2" BSPM	0-16 bar	228	96637453
Danfoss MBS 3000	1/2" BSPM	0-25 bar	228	91072079
Danfoss MBS 3000	1/2" BSPM	0-40 bar	498	96483573
Danfoss MBS 3000	1/2" BSPM	0-60 bar	498	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	637	96611522
DPI Transducer Kit	0-1 bar	637	96611523
DPI Transducer Kit	0-1.6 bar	637	96611524
DPI Transducer Kit	0-2.5 bar	637	96611525
DPI Transducer Kit	0-4 bar	637	96611526
DPI Transducer Kit	0-6 bar	637	96611527
DPI Transducer Kit	0-10 bar	637	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	208	98355521

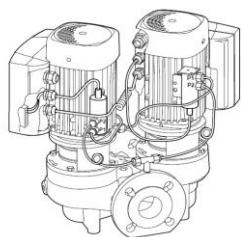
Output signal: 2x 0-10V

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	92	96491010
For TPE2 D - DN32 and DN100 models	92	96491010
For TPE2 D - DN40, DN50, DN65 and DN80 models	93	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	329	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	121	96824631
CIM 100 LON	x	x	x		229	96824797
CIM 110 LON				x ³⁾	229	96824798
CIM 150 Profibus DP	x	x	x	x	251	96824793
CIM 200 Modbus RTU/COMLI	x	x	x	x	229	96824796
CIM 260 Cellular EU ¹⁾	x	x	x	x	498	99439302
CIM 280 GRM/GIC EU ^{1) 5)}	x	x	x	x	498	99439724
CIM 300 BACnet MS/TP	x	x	x	x ³⁾	229	96893770
CIM 500 Ethernet ^{5) 6)}	x	x	x	x	517	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	121	96824631
CIM 150 Profibus DP	251	96824793
CIM 500 Ethernet ^{see note 6)}	517	98301408
CIM 260 Cellular EU ¹⁾	498	99439302
CIM 280 GRM/GIC EU ^{1) 5)}	498	99439724

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

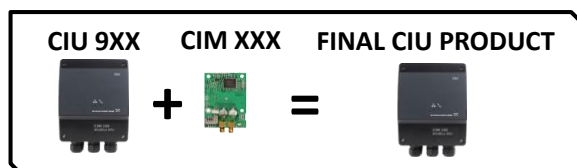


	£	Product Code
CIU 900 ²⁾	227	99448387
CIU 901 With I/O board	351	99448389
CIU 902 Waste Water Auto Adapt	542	97644690
CIU 903 5Q Flex	541	98106399

¹⁾ Antenna not included

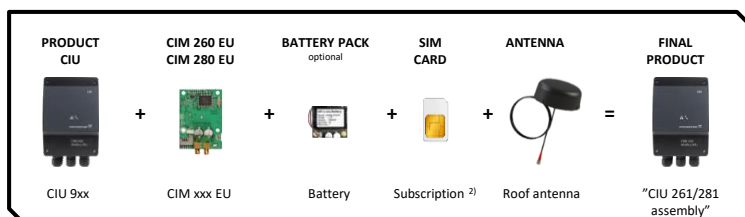
²⁾ For use with Older Hydro Multi-E models / CUE / MP 204/ CU300/ Older MGE/ 11KW-22KW MGE

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 IO	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	108	99518079
Battery Pack ¹⁾	37	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

	£ NET PER PUMP	Product Code
SALES OFFICE GENERATED CERTIFICATES (NOT COVERED BY EN10204)		
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

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 notwithstanding 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); (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.	16.2
	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).

Notes



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