

VERTICAL IMMERSION PUMPS

Series D18 - PP/PVDF



D18-30-400-PP

12000 - 43000 l/h

200 - 720 l/min

Vertical single stage centrifugal immersion pump, sealless and dry-run safe for non-pressurized tank application.

The D18 series combines maximum hydraulic efficiency with a robust, compact and reliable construction, resulting in maximum installation uptime and a long service life.

Features

- Very easy, leak free, in-tank installation
- Including complete +GF+ union end
- Free turning shaft, no seal or bearing, can run dry
- Self priming when flooded
- EPDM elastomers for PP and FPM for PVDF
- Including suction strainer
- Max. temperature PP 80°C, PVDF 100°C
- High quality European, purpose designed electric motor:
 - 3 phase, 50 Hz, 2900 rpm, IP55, multi voltage
 - with double layer 2C chemical resistant coating
 - full length SS shaft with PP/PVDF protection pipe
 - including PP drip cover, fan cover and wiring box
 - suitable for frequency drive control
 - stainless steel fasteners

Options

- Customised mounting plate
- Out of tank (OT), High pressure model (HD)
- Customised immersion length
- Suction extension pipe
- Impeller blocking
- Vapour lock
- FIP trapezoidal threaded outlet
- Hose connection
- Union socket in PVC or CPVC
- Specific elastomers
- Special versions for 200 Volt duty
- Electric motor:
 - EMC compatibility
 - including frequency drive
 - single phase
 - electrical lead (4 m)
 - filter pad for fan cover
 - other RAL colours

Type	Material	Q max (l/h)	H max (m)	Motor		I nom. (A) 400V-50Hz	Out (d/DN)	Net weight (kg)	
				kW	HP			PP	PVDF
D18-14-400	PP/PVDF	14000	12	0,55	3/4	1,5	25/20	14	16
D18-18-400		18000	13	0,75	1	1,65	32/25	18	18
D18-23-400		23000	15	1,1	1½	2,45	40/32	19	19
D18-30-400		30000	17	1,5	2	3,2	40/32	24	24
D18-36-400		36000	19	2,2	3	4,5	40/32	27	30
D18-43-400		43000	22	3,0	4	5,75	50/40	31	34
D18-05-HD-400		5000	21	1,5 / 2,2	2 / 3	3,2 / 4,5	25/20	27	30
D18-10-HD-400		10000	24	2,2 / 3,0	3 / 4	4,5 / 5,75	25/20	33	36

Selection example: D18-36-400-PP

For version Out-of-Tank add "OT". Selection example: D18-30-400-OT-PP

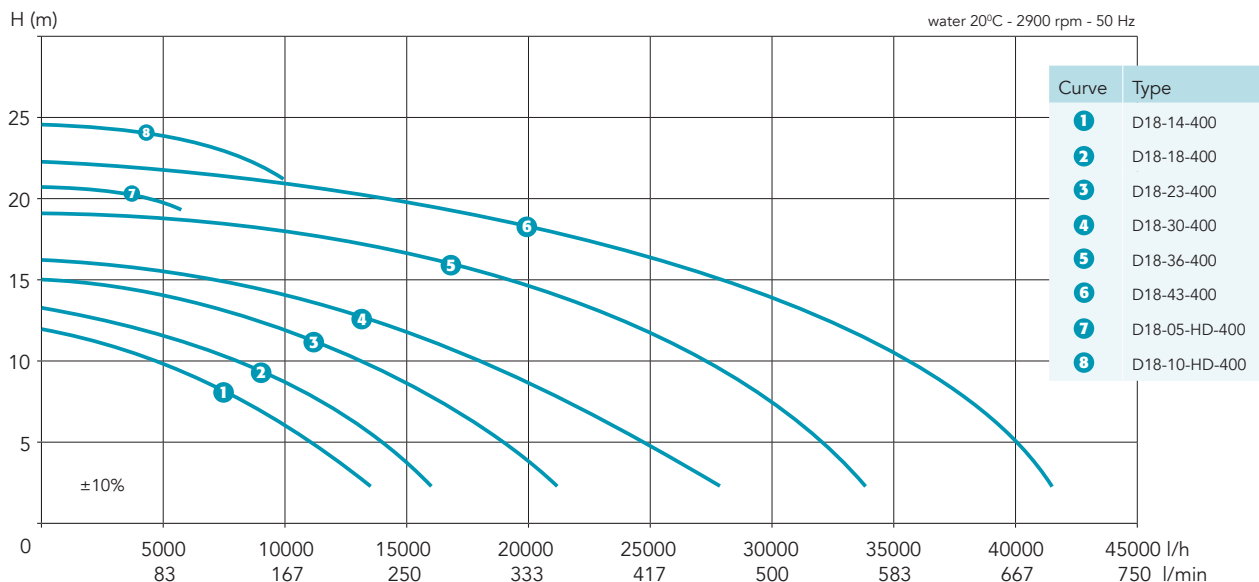
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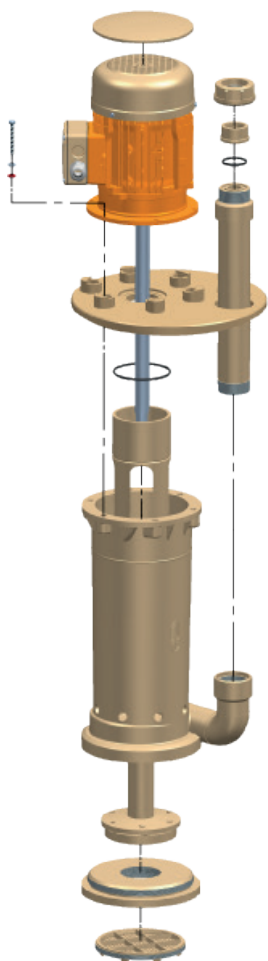


D18-18-400-PVDF

The black pump body of the PVDF version is made out of Carbon Fiber Reinforced PVDF to minimize thermal expansion, maintaining maximum efficiency at elevated temperatures.



Exploded view



Dimensions

Type	"B"	"C" PP	"C" PVDF	"D" d/DN
D18-14-400	243	411	407	25/20
D18-18-400	273	411	407	32/25
D18-23-400	273	411	407	40/32
D18-30-400	334	411	407	40/32
D18-36-400	352	411	407	40/32
D18-43-400	380	420	416	50/40
D18-05-HD-400	317	411	407	25/20
D18-10-HD-400	345	420	416	25/20

