

VERTICAL IMMERSION PUMPS

Series D18 - PP/PVDF



D18-30-400-PP

22 - 190 gpm

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

The D18 series combine 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 colour

Type	Material	Q max (gph)	H max (ft)	Motor		I nom. (A) 400V-50Hz	Out (d/DN)
				kW	HP		
D18-14-400	PP/PVDF	61	39	0,55	3/4	1,5	25/20
D18-18-400		79	42	0,75	1	1,65	32/25
D18-23-400		101	50	1,1	1¼	2,45	40/32
D18-30-400		132	56	1,5	2	3,2	40/32
D18-36-400		158	62	2,2	3	4,5	40/32
D18-43-400		190	72	3,0	4	5,75	50/40
D18-05-HD-400		22	69	1,5 / 2,2	2 / 3	3,2 / 4,5	25/20
D18-10-HD-400		44	79	2,2 / 3,0	3 / 4	4,5 / 5,75	25/20

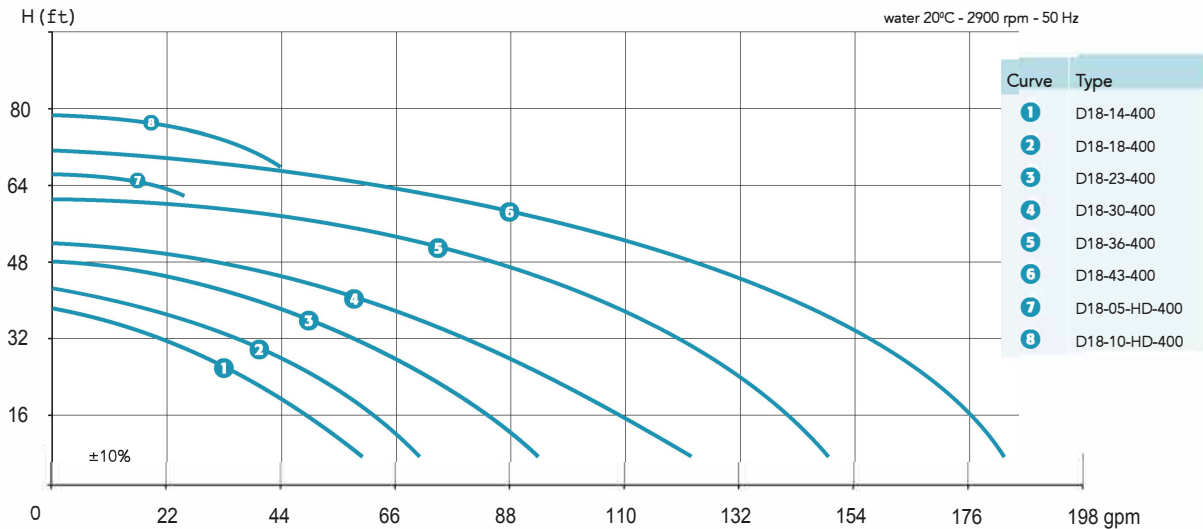
Selection example: D18-36-400-PP

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



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

Suction Extension/Strainer

D18-43

MIN. FLOOR DISTANCE

D18-14..36 (PVDF no strainer)

max. 250