

# F700 Epoxy Coated Hydrocyclone Separator

## Application

- For use prior to primary filtration with bore water. Ideal for removing large volumes of suspended material denser than water and to reduce the load on the primary filter
- For use in all forms of irrigation

## Features

- Inlet/Outlet
  - MBSP threads on 25,40 and 50 mm
  - Flanged table D on 80,100, 150 and 200 mm
- 90 degree Inlet/Outlet configuration
- Filter housing material of construction: Carbon Steel ST37.2
- Pre-treatment: sand blasting up to Sa 2.5 grade
- Interior and exterior coating: electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- Manual operation
- Dirt collector (sump) included with each unit
- Maximum operating pressure: 1000 kPa
- Size available 25 mm – 200 mm
- Flow range: 4 to 330 m<sup>3</sup>/hr
- Centrifugal flow action causes particles to precipitate down the wall of the unit and into the dirt collector

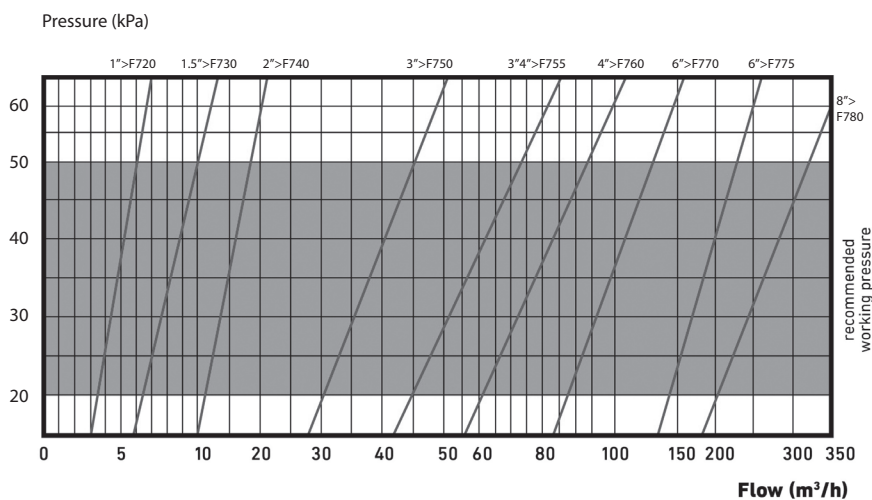
### Note:

It is critical when selecting the correct unit to ensure that the flow rate passed through the unit falls within the 20 to 50 kPa head loss region (shown shaded on the chart).



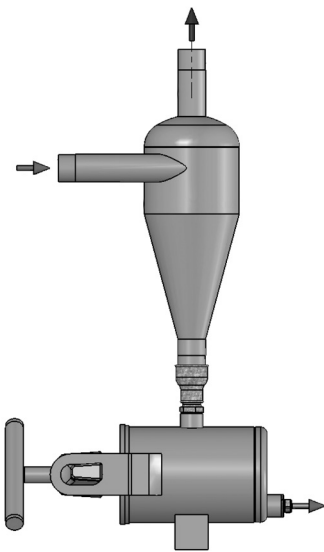
700 Series Hydrocyclone

F700 Pressure Loss Graph

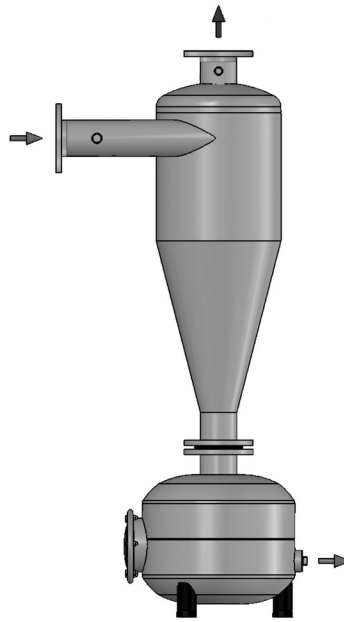


# F700 Epoxy Coated Hydrocyclone Separator cont.

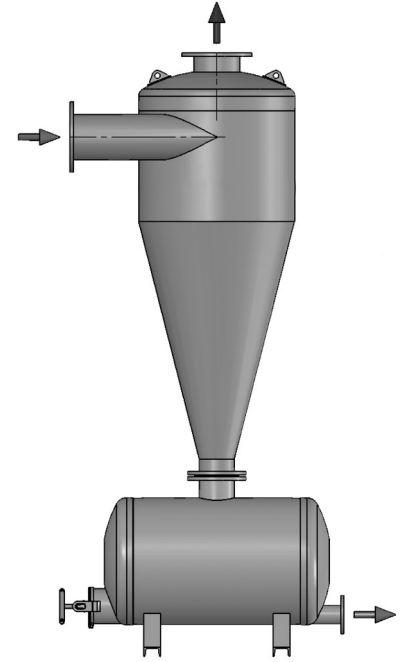
F720-F755F Configuration



F760F Configuration



F770F, F775F, F780F Configuration



## F700 Hydrocyclone Separator Technical Data

Model	In/Out D (mm/inch)	D1 (mm/inch)	H (mm)	H1 (mm)	Tank (Litres)	Min <sup>M</sup> /Max <sup>M</sup> Flow Range (m <sup>3</sup> /h)	Shipping Weight (kg)
F720	25/1	100/4	600	460	1.5	3.5-6	10.1
F730	40/1.5	150/6	740	594	2.5	6.5-10	15.5
F740	50/2	200/8	900	755	5	11-19	23.4
F750	80/3	200/8	930	765	5	29-45	32.5
F755	80x100/3x4	300/12	1550	1285	30	45-73	75.0
F760	100/4	400/16	1765	1495	60	60-93	97.5
F770	150/6	500/20	1996	1671	150	93-155	187.0
F775	150/6	600/24	2300	1940	150	145-225	230.0
F780	200/8	750/30	2897	2492	220	200-330	328.0

## Ordering Information

Code	Description
F720M	25 mm MBSP, 3.5 to 6 (m <sup>3</sup> /hr)
F730M	40 mm MBSP, 6.5 to 10 (m <sup>3</sup> /hr)
F740M	50 mm MBSP, 11 to 19 (m <sup>3</sup> /hr)
F750F	80 mm Flanged Table D/E, 29 to 45 (m <sup>3</sup> /hr)
F755F	80 x 100 mm Flanged Table D, 45 to 73 (m <sup>3</sup> /hr)
F760F	100 mm Flanged Table D, 60 to 93 (m <sup>3</sup> /hr)
F770F	150 mm Flanged Table D, 93 to 155 (m <sup>3</sup> /hr)
F775F	150 mm Flanged Table D, 145 to 225 (m <sup>3</sup> /hr)
F780F	200 mm Flanged Table D, 200 to 330 (m <sup>3</sup> /hr)

