STW505
Cyclone Disc Filter Housing

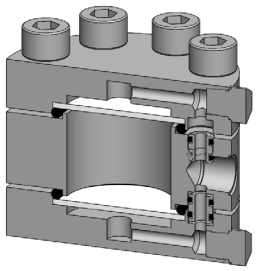
Materials	**316L Stainless Steel**
Pressure	**100 Bar**
Ports	**1/8", 1/4" or 1/2"**
Filter Disc	**2x FD.47.☐**

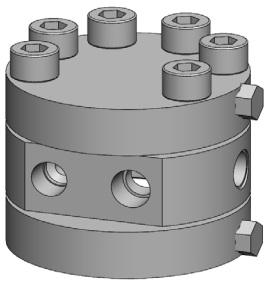
The STW505 series uses two stainless steel filter discs in one housing. A 'cyclone' effect is created as the sample enters the housing and proportion of it passes through the filters to the sample outlet port and the rest of the sample passes to the bypass port.

The housing design allows the filter discs to be changed without disconnection of the port fittings.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.





Technical Specifications

Housing Model	**STW505.111**	**STW505.221**	**STW505.421**
Inlet & Bypass Port Size	1/8" NPT	1/4" NPT	1/2" NPT
Outlet Port	1/8" NPT	1/4" NPT	1/4" NPT
Maximum Pressure, Bar (1)	100	100	100
Maximum Temperature, ºC (2)	200	200	200
Materials of Construction (3)			
Head, Bowl & Internals	316L SS	316L SS	316L SS
Seals (4)	Viton	Viton	Viton
Filter Disc Code (5)	2x FD.47.☐	2x FD.47.☐	2x FD.47.☐
Principal Dimensions in mm			
Diameter	80	80	88
Height	62	62	62
Volume, cc	40	40	40
Weight, kg	1.9	1.9	2.3
Accessories			
Mounting Bracket	MB.STW505	MB.STW505	MB.STW505

Notes

(1) Above 200ºC the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200ºC using standard seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = .N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. STW505.221.E)

(5) Replace the ☐ with the filter disc grade required, e.g. FD.47.S20V

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