

HD SERIES

THE HD11 AND 12 SINGLE BAG FILTERS ARE DESIGNED FOR HEAVY DUTY INDUSTRIAL APPLICATIONS AND GIVES THE HIGHEST POSSIBLE PERFORMANCE IN DEMANDING PROCESSES.

Featuring investment cast and precision machined components, it is the most modern, innovative and practical filter bag housing available on the market.

The HD series has a top entry design, ensuring a minimum head of unfiltered liquid. It features flush top fitting of filter bags, which enables easy changeout, and is therefore suitable for use with the most aggressive fluids. The filter bag is held in position by compression from the top cover ensuring a 360° positive seal.

The vessel features Stainless steel 316L heavy duty investment-cast lid, bag seating and inlet port components.

The design provides a smooth fluid flow path ensuring low pressure drops. The open structure of the underside of the lid and inlet port allows all parts to be easily accessible, making the housing easy to clean.

A unique feature of the HD series is the availability of inline connections (Style 1), enabling easy installation and eliminating the need for complex pipework arrangements.

Any of the standard style types 1-8 can be selected, see page 4 for further details.



TOP ENTRY FILTER BAG HOUSING GIVING THE HIGHEST POSSIBLE PERFORMANCE.









THE HD SERIES FEATURES A PRECISION MANUFACTURED HEAVY DUTY BASKET, WITH NO NEED FOR AN UNDER BASKET O-RING. CONSTRUCTED FROM LARGE OPEN AREA PERFORATED STAINLESS STEEL, THE INTERNAL RESTRAINER BASKET CAN SERVE AS A BAG FILTER SUPPORT OR A STRAINER. IT HOLDS TRADITIONAL STEEL RING FILTER BAGS AS WELL AS THOSE DESIGNED WITH OUR UNIQUE MOULDED 'WELSEAL' RINGS TO ELIMINATE PRODUCT BYPASS, WHILST OPERATING AT HIGH DIFFERENTIAL PRESSURES.

MODEL CODE	NUMBER OF FILTER BAGS	BAG SIZE NUMBER	FILTRATION SURFACE AREA (m ²)	INLET/OUTLET SIZE (inches)	MAXIMUM FLOW RATE*		
					GPM	litres/min	m ³ /hr
HD11	1	1	0.25	2" – 4"	73	333	20
HD12	1	2	0.50	2" – 4"	147	666	40

*Maximum flow rate is based on aqueous flow at ΔP=1.0psi clean through filter only without bag installed. Achieved flow rate is dependant on type of fluid being filtered, fluid viscosity and temperature, micron rating and type of filter bag.

The lid is held in place by four reclining swing bolts with eye nuts. The lid is hinged, and has an integrated lifting handle. The HD vessel seals with a single O-ring.

As standard, HD filter housings have a stainless steel 316L construction (optional SS304 body) and have a bead blasted external finish. The HD filter housing is 110°C and 10 bar rated, can be CE Marked, and can have ATEX certification. Optional features (see page 16 and 17) are available to meet all customer requirements.

-  ½" BSP (F) plug standard on top vent.
-  ½" BSP (F) plug standard on inlet drain.
-  2" BSP (F) drain standard on side outlet vessels (style 1,3,4,7,8).
-  2" BSP (F) inlet and outlet standard on all threaded vessels.
-  2" ANSI 150# or DN50 PN16 inlet and outlet flanges standard on all flanged vessels.
-  Customer may specify any connection size, type and configuration if different from standard.
-  Adjustable legs are standard.
-  Gasket materials include Buna-n (nitrile), EPDM (Ethylene propylene), Viton, PTFE, PTFE Encapsulated.

