

# POLYPROPYLENE SERIES

**FOR APPLICATIONS WHERE CORROSIVE FLUIDS ARE BEING FILTERED, THESE VESSELS CAN BE PRODUCED FROM PVDF.**

**Polypropylene bag filter housings are available for applications where materials such as stainless steel are incompatible with the fluid to be processed.**

The Polypropylene series is a side entry, recessed basket design filter housing. The polypropylene restrainer basket has a high open area and holds our complete range of filter bags, including our moulded 'Welseal' collar.

An important feature of our design is that it has a bolted lid, which is advantageous compared to screwed lid models. Polypropylene threads can wear over time due to repeated opening and closing of a screwed lid, which ultimately damages the lid closure arrangement.

The bolted lid design enables our polypropylene filter bag housings to be CE Marked.

For continuous processes, we are able to offer duplexed systems with interconnecting valves, or if higher flows are required, several housings can be manifolded together.

The standard configuration is our style 3 (side inlet - bottom side outlet). It has a bottom drain and top vent, and DN50 (or 2" ANSI) flanged inlet and outlet connections.

**THE VESSEL IS DESIGNED TO BE FLOOR MOUNTED, ALTHOUGH OPTIONAL ADJUSTABLE STAINLESS STEEL LEGS ARE AVAILABLE. POLYPROPYLENE FILTER BAG HOUSINGS ARE AVAILABLE EITHER 6 BAR OR 10 BAR RATED**

(see graph below).

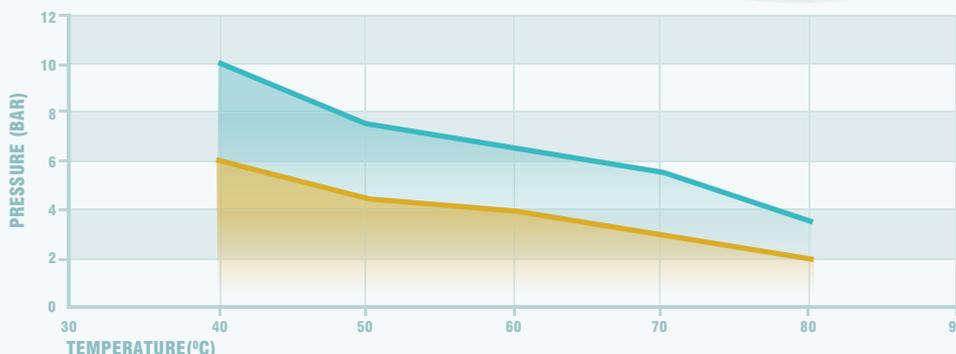


MODEL CODE	BAG SIZE NUMBER	FILTRATION SURFACE AREA (m <sup>2</sup> )	INLET/OUTLET SIZE (inches)	MAXIMUM FLOW RATE* m <sup>3</sup> /hr
PP11	1	0.25	2"	20
PP12	2	0.50	2"	40

\*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.

## PRESSURE RATING VERSUS TEMPERATURE FOR POLYPROPYLENE BAG FILTER HOUSINGS

■ 10 BAR RATED HOUSING  
■ 6 BAR RATED HOUSING



**POLYPROPYLENE BAG FILTER HOUSINGS ARE AVAILABLE FOR APPLICATIONS WHERE MATERIALS SUCH AS STAINLESS STEEL ARE INCOMPATIBLE WITH THE FLUID TO BE PROCESSED.**

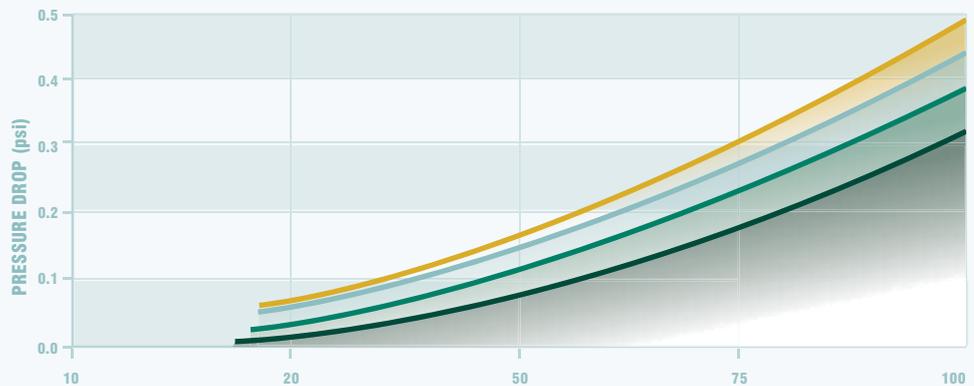


# TECHNICAL AND PERFORMANCE DATA



## FILTER BAG PERFORMANCE FOR SIZE 1 BAGS

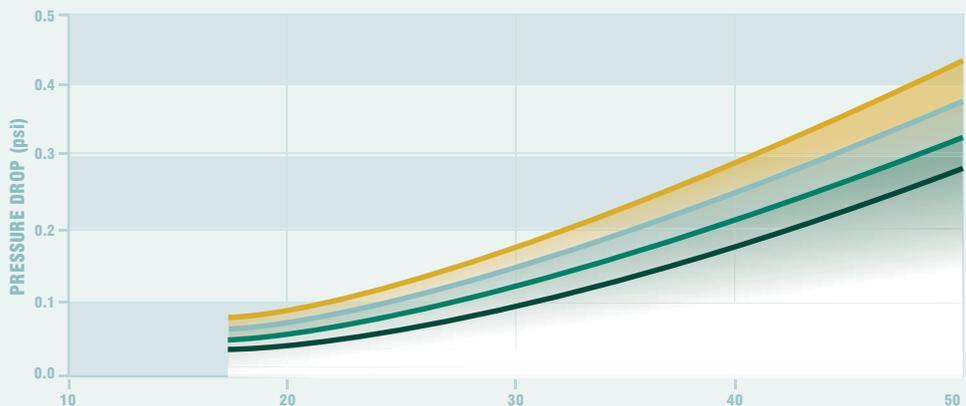
- 5 & 10 MICRONS
- 25 MICRONS
- 50 MICRONS
- 100 MICRONS



FLOW RATE (GPM) OF WATER AT 25°C, MULTIPLY BY 2 FOR SIZE 2 FILTER BAGS.

## FILTER BAG PERFORMANCE DATA FOR SIZE 2M (4) BAGS

- 5 & 10 MICRONS
- 25 MICRONS
- 50 MICRONS
- 100 MICRONS



FLOW RATE (GPM) OF WATER AT 25°C, DIVIDE BY 2 FOR SIZE 1M (3) FILTER BAGS.

## PRESSURE DROPS

- PIPE SIZE 2"
- PIPE SIZE 3"
- PIPE SIZE 4"

