

80 SERIES OVERVIEW

Single and Multi Bag Housings

The **80 Series** bag housings are available as a comprehensive range of styles to suit almost all liquid and gas processes.

Manufactured in 316L grade stainless steel as standard and designed to meet the needs of most applications, this range includes lightweight vee clamp closure side entry units such as the **81 Series** 'MINI' through to the rapid bag changeout 'Swan Neck' style of the **86 Series**.

The **80 Series** bag housing range consists of:-

81 Series

- 4¼" 'MINI' bag housing available in single or double lengths
- Ideal for small and medium scale processes
- The side inlet and bottom outlet configuration provides a simple to clean, easy access housing
- Bottom dished end and top closure with vee clamp or bolted option

82 and 84 Series

- Free standing 5½" and 7" bag housing
- Suitable for 16", 32" and 48" nominal length bags
- Inverted dished end style is ideally suited to continuous process operations
- Offers great flexibility in terms of high flow and high dirt capacity whilst requiring only a small footprint

83 and 85 Series

- Conventional dished end to enable full draining and cleaning
- Ideal for all areas involving liquids processing where free draining and frequent process changes takes place
- Adjustable legs and wide range of inlet/outlet connections

- Suitable for 5½" or 7" ring diameters and up to 48" triple bag lengths

86 Series

- Top entry, bottom outlet configuration
- Novel cast head incorporates an integral one piece inlet, double vent ports and features a special bolt retaining mechanism
- Filter bags can be changed without the need to disconnected process pipework
- Suitable for 7" ring diameter bags of 16" single and 32" double lengths

87 Series

- Multi-pot 5½" bag housing suitable for 32" double or 48" triple length bags
- Offering exceptional surface area with maximum economy the **87 Series** is widely used for chemical processing and water treatment
- Dished end to enable full draining and cleaning
- Top opening style equipped with a cast vee clamp as standard and with the option of a Rathman style bolted closure for operating pressures up to 10 bar g

88 Series

- Multi-pot 7" bag housing suitable for 32" double or 48" triple length bags
- Conventional dished end to aid drainage and cleandown
- Available for 4, 6, 8 and 12 bags
- Ideal for high flow, high dirt volume applications where free draining and frequent process changes will take place

Unique design features include 10 different top connection styles, 4 different bag sealing rings, 4 different top closure styles and the choice of free

standing or bottom dished end with adjustable legs. These bag housings are ideal for chemical and general filtration applications.



Features and Benefits

- Suitable for a wide range of applications
- Integral vent to aid efficient filter change out
- Robust bag support basket assembly fabricated from perforated sheet rather than wire mesh for extra strength
- Full housing customisation service available
- Every housing is etched with a batch number for full traceability
- Full PED compliance with 97/23/EC and full ATEX compliance with 94/9/EC, level CE Ex II 2 GD c X

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80 Series Technical Data

Maximum Operating Conditions

		81 Series		82/83 Series		84/85 Series			86 Series		87 Series		88 Series		
		Single	Double	Single	Double	Single	Double	Triple	86011	86012	8703	8705	88041	88042	88043
Maximum Pressure	Liquid	FV/10 bar g													
	Gas	FV/10 bar g		FV/7.5 bar g		FV/4.5 bar g			FV/10 bar g		FV/1	-	-		
Maximum Temp.		-10/150°C											-10°C/110°C		
Volume (Litres)		2.9	4.8	13.3	21	19.7	31	46	16	28	-	-	238	247	338

Materials of Construction

Body and Head: 316L St.Steel
Alloy 22

Closure: 316L St.Steel
304 St.Steel (non wetted parts)

Seal: Ethylene Propylene
Viton

Connections

Inlet/Outlet: 1"-2" BSP, 4"-6" Flange

Vent: ¼"-½" BSP with Plug

Drain: ½"-1" BSP with Plug

Optional Connections: BS4504 Flange, ANSI Flange, Stub Pipe, DIN2633 Flange, BS4825-3 Tri Clamp, RJTM Coupling

PED Status:

Compliant with 97/23/EC

Exceptions:

Group 1 liquids – Explosive

		81 Series	82 Series	83 Series	84 Series	85 Series	86 Series	87 Series	88 Series
Fluid Groups	Liquids	Groups 1+2	Group 2	Groups 1+2	Group 2	Groups 1+2			
	Gas	Group 2				Group 1+2		-	-
Marking		SEP			CE				

For full details on any of our housings please contact the Sales Office or refer to individual datasheets available upon request.

Technical drawings for each individual housing showing dimensions, volume, weights, maximum temperatures and design pressures available on request.

80 Series Accessories

Pressure Gauge and Vent Valve Kit ¼" BSPM, 63mm 316 St.St gauge, 0-27 bar, Perspex front	
Pressure Gauge and Auto Vent Valve Kit ¼"-½" BSPF, Brass or St.St gauge, 0-10 bar, ball valve	
Bag Displacement Pod Single or Double length, 316 St.St with handle	
Adjustable Leg Set 168-219mm 304 St.St Adjustable leg set	



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