PARSWOOD BAG / PSB SERIES

Bag Filter Housing



PARSWOOD BAG provides liquid filtration with replaceable filter bags supported by a reinforced basket. Single- and multi-bag arrangements serve process water, beverage and compatible chemical duties where bag filtration is appropriate.

Select the housing, filter element and seal together to match the process fluid, duty and installed connections.

Features	Applications
Single- and multi-bag configurations Reinforced support baskets Swing-bolt and eyebolt closure Choice of process ports and surface finishes	Water treatment and RO prefiltration Food and beverage process liquids Cooling water, condensate and wastewater Compatible fine chemicals and process fluids

Materials and operating limits

Property	Specification
Shell	304 or 316L stainless steel
Housing seals	Silicone, EPDM or FKM
Other shell option	Carbon steel by quotation
Additional seal option	PTFE-encapsulated FKM
Bag sizes	Size 1 and 2 standard ordering; sizes 3 and 4 by quotation
Bag count	1 to 4 standard ordering; 5 to 8 by quotation
Design pressure	10 bar (1.0 MPa)
Maximum temperature	150°C (302°F), subject to assembly and process limits
Surface finish	Internal Ra ≤ 0.6 µm; external Ra ≤ 0.8 µm, for the specified finish
Process connections	Tri-clamp or flange; size selected with the housing configuration
Gauge port	M14 × 1.5 bottom connection
Other components	Eyebolts and legs 304 stainless steel

Design pressure and maximum temperature are separate selection limits. Confirm the allowable pressure at operating temperature for the complete assembly, including seals, clamps and filter elements.

Ordering and Dimensions

PARSWOOD part number example

PSB0102LF50E10EM

PSB + 01 + 02 + L + F50 + E + 10 + EM

1 bag, size 2, 316L, DN50 flanges, EPDM, 10 bar, internal electropolished and external mechanically polished.

Field in sequence	PARSWOOD selection code
Series	PSB = Bag Filter Housing
Bag count	01 to 04; 05 to 08 by quotation
Bag size	01 = size 1; 02 = size 2; 03 / 04 by quotation
Material	A = 304; L = 316L; C = carbon steel
Process ports	T075 = TC ¾ in; T10 = TC 1 in; T125 = TC 1¼ in; T15 = TC 1½ in; T20 = TC 2 in. F20/F25/F32/F40/F50 = flange DN20/25/32/40/50. Specify flange standard separately.
Seal	S = Silicone; E = EPDM; V = FKM; F = PTFE-encapsulated FKM
Design pressure	10 = 10 bar
Finish pair	Internal E / M / P; external E / M / B. E = electropolished; M = mechanically polished; P = passivated; B = blast finish.

Codes concatenate without spaces or hyphens. Example numbers illustrate configuration only.

Dimensional reference

Single bag size	Overall height	Shell OD
1	830	219
2	1230	219
3	680	159
4	830	159

Reference dimensions in mm. Sizes 3 and 4 and multi-bag dimensions require configuration confirmation. Specify bag ring style, media and rating separately.

Technical notice

Evaluate fluid compatibility, filter fit, cleaning conditions and operating requirements for the intended application. Contact PARSWOOD for configuration and selection support. Filter performance depends on the installed element and process; housing selection alone does not establish sterile filtration.