PARSWOOD™



PARSWOOD SINGLE / PS1 SERIES

Single Round Sanitary Housing

A compact stainless steel housing for one membrane or depth cartridge. PARSWOOD SINGLE supports low-flow liquid filtration in breweries, wineries, distilleries and other sanitary process lines. The selected cartridge determines particle retention and filtration performance.

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

Features	Applications
Tri-clamp shell closure for cartridge access Smooth welded construction and drainable design Adjustable support legs CIP and SIP service with a qualified assembly	Beer, wine and distilled spirits Juice, syrup and drinking water Prefiltration or final membrane filtration with the appropriate cartridge Compatible process liquids

Materials and operating limits

Property	Specification
Shell	304 or 316L stainless steel
Housing seals	Silicone, EPDM or FKM
Cartridge arrangement	1 cartridge; 5, 10, 20, 30 or 40 inches
Cartridge seats	DOE, 222 or 226; confirm cartridge end geometry
Design pressure	6 or 10 bar design options (0.6 or 1.0 MPa)
Maximum temperature	150°C (302°F), subject to assembly and process limits
Surface finish	Internal Ra ≤ 0.3 µm; external Ra ≤ 0.4 µm, for the specified finish
Process connections	Tri-clamp or flange; size selected with the housing configuration
Vent and drain	4 mm bore; connection for 8 mm tubing
Gauge connection	1½ in tri-clamp
Other components	Drain/vent 304 or 316L; clamp and stabilizer 304

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

PS130L26T15S6EM

PS1 + 30 + L + 26 + T15 + S + 6 + EM

Single cartridge, 30 in, 316L, 226 seat, 1½ in TC ports, Silicone, 6 bar, internal electropolished and external mechanically polished.

Field in sequence	PARSWOOD selection code
Series	PS1 = Single Round Sanitary Housing
Length	05 / 10 / 20 / 30 / 40 = nominal cartridge length in inches
Material	A = 304 stainless steel; L = 316L stainless steel
Cartridge seat	00 = DOE; 22 = 222; 26 = 226
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
Design pressure	6 = 6 bar; 10 = 10 bar
Finish pair	First letter = internal; second = external. E = electropolished; M = mechanically polished; P = passivated internally. Example EM = internal electropolished, external mechanically polished.

Codes concatenate without spaces or hyphens. Example numbers illustrate configuration only. Confirm the selected combination and approved drawing with PARSWOOD before ordering.

Dimensional reference

Cartridge	Overall height	Port span	Shell OD	Port height
5 in	421	198	101.6	110
10 in	548	198	101.6	110
20 in	802	198	101.6	110
30 in	1056	198	101.6	110
40 in	1310	198	101.6	110

Dimensions in mm, excluding the pressure gauge kit.

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.