

Pneumatic Products™

Stainless Steel Filter Housings PCS Series

100 - 6,000 SCFM

PCS Series Premium Filtration

304 Stainless Steel Housings for Challenging Applications Critical applications and hostile environments demand premium grade products. Global leaders rely on PCS Series 304SS filter housings for their unmatched quality, durability and reliability in tough applications. Power plants, paper mills, refineries, and petrochemical installations are a few examples of the challenging environments that rely on PCS Series filters for lasting protection.

Description

A series of 4" and 6", "L" type housings completely fabricated of 304 stainless steel for gas flows of 200 to 950 scfm at 100 psig (higher flow rates at 250 psig). Designed specifically for use with Pneumatic Products high performance air and gas filter cartridges.

Features And Benefits

- Simple top-loading design for easy filter cartridge access. No need to disconnect drain valve or other tubing when changing cartridges.
- Stainless steel V-band locks cover to housing with captive seal for removal and attachment without tools.
- Stainless steel construction for longer housing life under adverse conditions.
- O-ring seals avoid leakage paths associated with tie-rod design switch permit contamination downstream.
- Low housing DP saves dollars (a 1-psi pressure drop costs, on average, \$78 per year per 100 scfm at 7¢ per kwh).
- Silicone cover seals permit use downstream of a heat-reactivated or heaterless dryer.
- 1/4" NPT drain and vent ports enable housings to be used without expensive after-purchase modification.
- Single cartridge design for easy, rapid filter change-out.

Ultimate Protection

Hand-crafted from quality type 304 stainless steel, PCS Filters are fabricated to achieve system purification and provide superior protection against corrosion. Design flexibility allows for use in coalescing or particulate duty applications to 300 psig. Simplicity, user friendliness, and ease of maintenance make them the filter of choice in unforgiving environments.

Applications

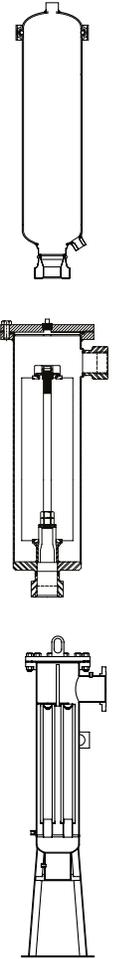
For use as coalescing or particulate filter housing for compressed air to 300 psig. May be used alone or as pre- and after-filters for a Pneumatic Products regenerative adsorption dryer.



Product Specifications

Model	Capacity scfm	ASME Code Vessel	Connections In/Out inches	Nominal Housing Diameter inches	Dimensions inches		Min Overhead Clearance inches	PSID*			Approx. Weight lbs	Element No. Reqd.
					H	W		Super SU Dry & Clean	SU Sat.	AF/HT Dry & Clean		
150 PSIG DESIGN												
PCS11001G16	100	NA	1" NPT	4	17	6	24	1.0	1.5	0.8	6	1
PCS12001G16	200	NA		4	19	7	24	1.4	2.5	0.9	8	1
PCS13401G24	340	NA	1 1/2" NPT	4	31	7	24	0.7	1.6	0.3	10	1
PCS15001G24	500	NA		6	24	7	24	1.0	2.2	0.4	14	1
PCS16001G32	600	NA	2" NPT	6	26	9	24	1.1	2.5	0.4	18	1
PCS18001G32	800	NA		6	41	9	34	1.1	2.0	0.7	20	1
PCS19501G49	950	NA	3" ANSI FLG	6	44	11	34	1.4	2.5	1.0	40	1
PCS112001G49C	1,200	✓		6.625	43	11	34	2.2	3.5	1.6	40	1
PCS114003G49	1,400	✓		10	61	21	24	1.0	2.1	0.5	220	3
PCS118003G65	1,800	✓	4" ANSI FLG	10.75	65	21	34	1.2	2.7	0.5	250	3
PCS124004G65	2,400	✓		12.75	65	22	34	1.3	2.8	0.7	340	4
PCS136003G97	3,600	✓	6" ANSI FLG	10	82	21	34	2.3	3.6	1.7	350	3
PCS148004G97	4,800	✓		12	82	22	34	2.4	3.7	1.8	770	4
PCS160005G97	5,600	✓		14	85	25	34	2.2	3.5	1.6	820	5
300 PSIG DESIGN												
PCS31001G16F	230	NA	1" NPT	4	16	7	24	1.9	2.7	1.7	6	1
PCS32001G16F	460	NA		4	17	7	24	2.5	4.1	2.0	8	1
PCS33401G24F	500	NA	1 1/2" NPT	4	30	7	24	0.6	1.4	0.3	10	1
PCS35001G24C	1,150	✓		6	23	8	24	1.5	3.3	1.0	14	1
PCS36001G32C	1,380	✓	2" NPT	6	25	9	24	1.6	3.7	0.9	18	1
PCS38001G32C	1,450	✓		6	42	9	34	1.4	2.5	1.0	20	1
PCS312001G49C	2,185	✓	3" ANSI FLG	6.625	43	11	34	2.8	4.4	2.3	40	1

*SCFM and PSID at 100 psig and 250 psig, 100°F
 Performance data per CAGI Standard ADF 200 for Dual-Tower Regenerative Desiccant Compressed Air Dryer.
 Rating conditions are 100°F (37.8°C) inlet 100 psig (6.9 bar) inlet pressure, 100% relative humidity, 100°F (37.8°C) ambient temperature.
 Consult factory for sizing assistance. Larger models available.



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Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Please contact your local sales representative for product availability in your region.

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