

MODEL 170

Features:

- Compact Footprint Provides Versatile Installation
- Break No Connections When Servicing Filter Element
- Low Internal Volume For Quick Response Time
- Hollow Tie Rod Provides Added Protection To Carry-Over Problems During System Start-Ups



The 170 series of sample process filters offers a unique solution for today's compact sample conditioning systems. The 170 is designed to sit inverted (upside down) or horizontally with all the connections (inlet/out, drain, and/or by-pass) in the head. No connections need to be broken to service the filter element.

Another added feature in this design is the hollow tie rod on the outlet side. This path forces the filtered stream to the highest point within the vessel, which reduces liquid and solid carryover during system start-ups or upsets. As always a wide variety of elements and materials are available.

Applications:

- Ideal For Compact Analyzer Cabinets
- Pre-filter For Guardian Membranes
- Multi-port Sample Analyzers

PRINCIPLE SPECIFICATIONS

Housing Model	170 (Four Port)
Port Size (NPT)	1/4"
Drain / By-Pass	1/4"
Maximum Pressure (psig)	1500
Internal Volume (cc)	42
Maximum Temp. -Buna-N (250°F)	BN170
Maximum Temp. -EPDM (300°F)	GE170
Maximum Temp. -Viton (400°F)	GV170
Maximum Temp. -Silicone (450°F)	GS170
Maximum Temp. -Kalrez (600°F)	KZ170
Principle Dimensions: (inches)	
Center Of Port To Head	0.43
Head	2.12
Overall Length	3.23
Element Removal Clearance	0.98
Filter Element Codes: (1)	
Disposable Element	22-37-□
Stainless Steel Element	SS-22-37-□
PEL Element	PEL-22-37-□
PTFE Element	PT-22-37-□
Materials Of Construction: (2)	
Head	316LSS
Bowls & Internals	316LSS
O-Rings	Viton

FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50C ⁽³⁾ or 70C ⁽⁴⁾

Air Line Pressure (PSIG)	170 Series	
	50C	70C
15	4	6
30	5	9
60	8	15
100	12	25
150	17	33
250	45	51
500	50	100
1500	163	304

- Notes: (1) Replace '□' with grade required, e.g. 22-37-50C, PT-22-37-03
 (2) Material abbreviations, 316LSS = 316L Stainless Steel
 (3) Flow rates for Grade 50C rated at 99.99% against 0.01 micron
 (4) Flow rates for Grade 70C rated at 95% against 0.01 micron



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