

HY31 Series *In-Line Filters*

Refer to our website for 3D + Step Drawing



- › Flows up to 5500 SCFM
- › Available in 316 (3K) and Nitronic 50 (Up to 10K)
- › Contact Factory for Special Pressure Ratings
- › Various Micron Ratings Available

IN-LINE FILTERS

ELEMENT OPTIONS

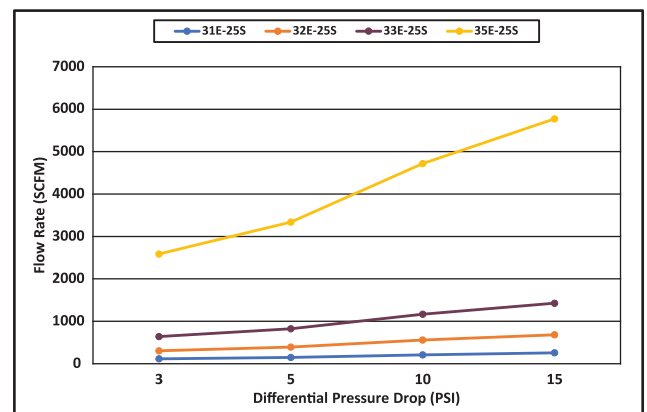
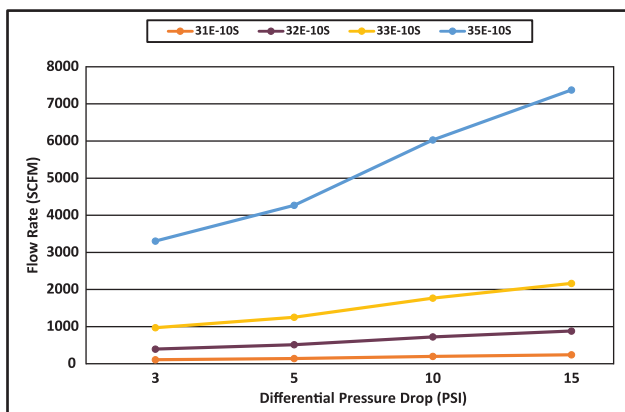
304 Stainless Steel
10 to 150 Micron Abs.
-320°F to +550°F
Re-Cleanable

Micro Glass
1 to 25 Abs.
-70°F to +250°F
Disposable

316 Sintered SSTL
.2 to 200 Micron Abs.
-320°F to +550°F

SPECIFICATION CHART

Replacement Element Number 31E			Replacement Element Number 32E			Replacement Element Number 33E			Replacement Element Number 35E		
1.25" Round			1.75" Round			1.75" Round			2.5" Round		
Threads	Size	O.A.L.	Threads	Size	O.A.L.	Threads	Size	O.A.L.	Threads	Size	O.A.L.
37° Flare	-4	4.12	37° Flare	-6	4.25	37° Flare	-8	5.5	37° Flare	-16	8.25
Face Seal	-4	4.12	Face Seal	-6	4.25	Face Seal	-8	5.5	Face Seal	-16	8.25
FSAE	-4	4.81	FSAE	-6	4.75	FSAE	-8	6.0	FSAE	-16	8.75
MSAE	-4	4.12	MSAE	-6	4.25	MSAE	-8	5.5	MSAE	-16	8.25
Element Area — 8.5in ²			Element Area — 15in ²			Element Area — 25in ²			Element Area — 121in ²		
316 SS	Max	6,000PSI	316 SS	Max	6,000PSI	316 SS	Max	6,000PSI	316 SS	Max	4,000PSI
N50	Max	10,000PSI	N50	Max	10,000PSI	N50	Max	10,000PSI	N50	Max	7,500PSI



HY31 Series How to Order

				Example Part Number									
				A	B		C	D	E	F		G	H
				HY31	T	-	2	T	2	T	-	10S	V
Section A	Description	Code											
Filter Series	In-Line Filters	31											
Section B													
Housing Material & Pressure	316 SS - 4,000 PSI*	T											
	Nitronic 50 - 10,000 PSI*	N											
*See Specification Chart													
Section C													
Inlet Port Size	1/8"	2											
	1/4"	4											
	3/8"	6											
	1/2"	8											
	3/4"	12											
	1"	16											
Section D													
Inlet Port Type	37° Flare	T											
	FSAE	S											
	MSAE	M											
	AS5202	A											
	AS1098	C											
Section E													
Outlet Port Size	1/8"	2											
	1/4"	4											
	3/8"	6											
	1/2"	8											
	3/4"	12											
	1"	16											
Section F													
Outlet Port Type	37° Flare	T											
	FSAE	S											
	MSAE	M											
	AS5202	A											
	AS1098	C											
Section G	Material	Micron/Nom	Micron/Abs										
Micron Rating/ Material	316 Sintered SSTL	0.2	.2P										
	316 Sintered SSTL	0.7	.7P										
	316 Sintered SSTL	2	2P										
	316 Sintered SSTL	5	5P										
	Microglass 3250 PSID	1	1M										
	Microglass 3250 PSID	3	3M										
	Microglass 3250 PSID	6	6M										
	Microglass 3250 PSID	12	12M										
	304 SSTL 4500 PSID	2	10	10S									
	304 SSTL 4500 PSID	5	18	18S									
	304 SSTL 4500 PSID	10	25	25S									
	304 SSTL 4500 PSID	20	40	40S									
	304 SSTL 4500 PSID	40	75	75S									
	304 SSTL 4500 PSID	100	150	150S									
Section H													
O-Ring Material	Buna	N	-40°F to +250°F										
	Viton®	V	-20°F to +400°F										
	EPR	E	-60°F to +400°F										
	Teflon® (Consult Factory)	T	-320°F to +550°F										
	Chemraz®	C	-40°F to +550°F										
	BUTYL	B	-65°F to +225°F										
	EO540 Parker	PE	-70°F to +250°F										
	Urethane	U	-60°F to +225°F										

				See Chart	2		G	H
				31	E	-	25S	N
Section A	Description							
Element Size	Replacement Element - See Specification Chart	31						
	Element							
Section G								
Micron Rating	See Section G Above For Code							
Section H								
O-Ring	See Section H Above For Code							