

Norman 4300 Series In-Line Filters



Up to 6000 psi

- **303 Stainless,
316 Stainless,
17-4 Stainless,
Monel 405
or
6061-T651 Aluminum
Housing**
- **.2 to 2000 Microns**



NORMAN FILTER COMPANY, L.L.C.
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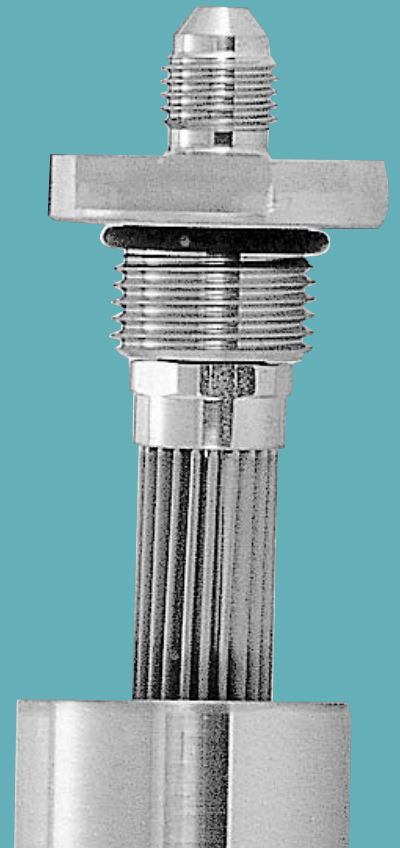
Norman 4300 Series

3000 & 6000 psi

The Norman 4300 Series Straight In-Line Filters are available in aluminum and stainless steel housings designed for relatively high pressures. Aluminum 6061-T651 housing is good for general industrial service while stainless steel offers the best choice when fluid compatibility or when severe service is a consideration.

The heart of the filter is the element which is made of either re-cleanable, pleated micro-weave 316 stainless steel (available in seven filtration ratings from 10 to 2000 micron absolute), 316L porous sintered stainless steel (available in four filtration ratings from .5 to 7.5 micron absolute) and disposable glass fiber (rated at 1, 3, 5, 10, or 25 micron absolute). Element collapse ratings of 3000, 3250 and 4500 psid are available.

Our precision woven stainless steel wire mesh elements are the ultimate in filtering media for industrial use. They provide size discrimination and freedom from media migration. Stainless steel elements are most suited to extreme temperature ranges and corrosive conditions. With proper cleaning, these elements can be reused for very long time periods. Glass fiber provides high dirt-holding capacity, high-efficiency (Beta₅ = 200), low-cost and throw away convenience.



43
25
G
G - 10
V
N

1

CODE	PRESSURE
43	3000 psi 3XX S.S. Aluminum
	6000 psi 17-4 S.S.

2

END FITTING CODE
(See chart next page) Number indicates size and end connection.

3

HOUSING MTL.	CODE
6061-T651 Anodized Aluminum	A
Stainless Steel	G
316 Stainless Steel	T
17-4 Stainless Steel	P

5

MICRON RATING		CODE
Nom.	Abs.	
.2	.5***	.5 ABS
.5	1***	1 ABS
2	3***	3 ABS
5	7.5***	7 ABS
.5	3**	B3
1	5**	B5
3	10**	B10
2	10	2X
5	18	5
10	25	10
20	40	20
40	75	40
100	—	100
200	—	200

7

CODE	O-RING MATERIAL
L	70 Duro BUNA-N
K	90 Duro BUNA-N
N	Viton*
E	Ethyl. Prop.
M	Teflon*
H	Kalrez*

*Reg. T.M. DuPont Corp.

4

ELEMENT MTL.	CODE
Stainless Steel Wire Mesh	G
Glass Fiber	F
Porous Sintered Stainless	P

6

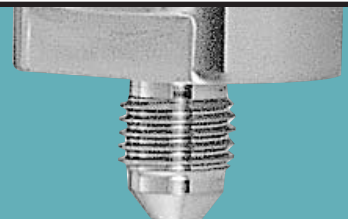
CODE	ELEMENT COLLAPSE
C	3250 psid (Glass Fiber)
V	4500 psid (Stainless Steel)
F	3000 psid (Porous Sintered)

HOW TO ORDER:

- Select 2 digit code for operating pressure of application.
- Select end fitting code from chart on right hand page. This number indicates size and type of connection.
- Select code letter to indicate housing material.
- Select code letter to indicate element material.
- Select micron rating (up to 5 digits).
- Select collapse code for element.
- Last, choose O-Ring material compatible with your fluid and service.

**Glass Fiber Media
***Porous Sintered Stainless

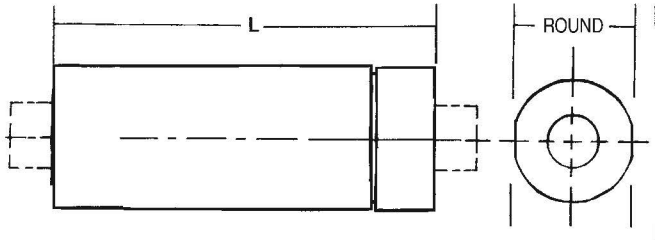
**These filters are made to order --
contact our friendly customer service
personnel for more information!**



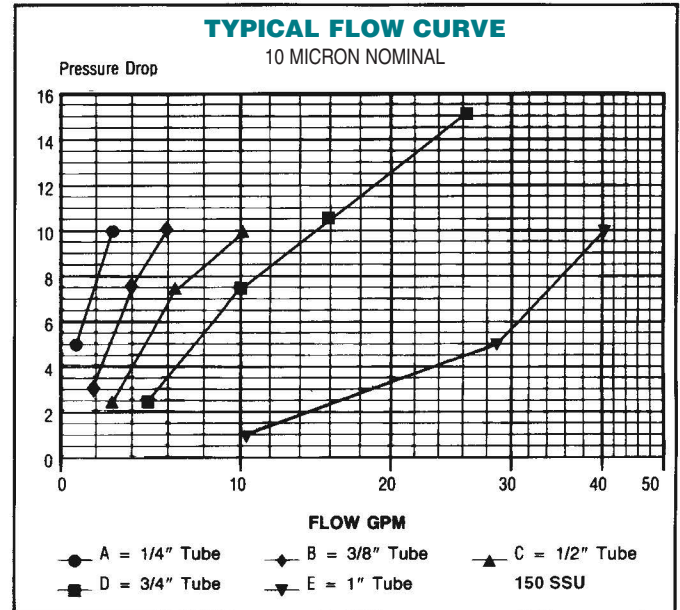
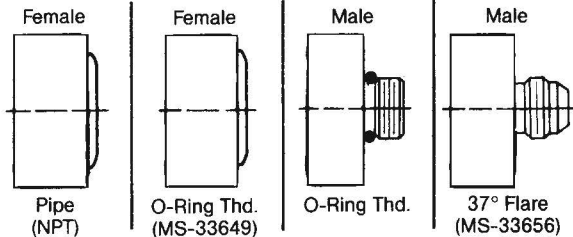
Straight In-Line Filters

3000 PSI DATA	- Housing: 6061-T651 Alum. or 3XX Stainless Steel, Monel 405, sizes 415, 416 - Operating Pressure: 3000 psig - Proof Pressure: 4500 psig - Burst Pressure: 12,000 psig - Element Media: Microglass high efficiency disposable 316 S.S. woven wire welded construction 316L – Porous sintered stainless cylindrical

6000 PSI DATA	- Housing: 17-4 Stainless Steel, All Sizes 3XX Stainless Steel, Monel 405 sizes 411, 412, 413 ONLY - Operating Pressure: 6000 psig - Proof Pressure: 9000 psig - Burst Pressure: 24,000 psig - Element Media: Microglass high efficiency disposable 316 S.S. woven wire welded construction 316L – Porous sintered stainless cylindrical



AVAILABLE END CONNECTIONS



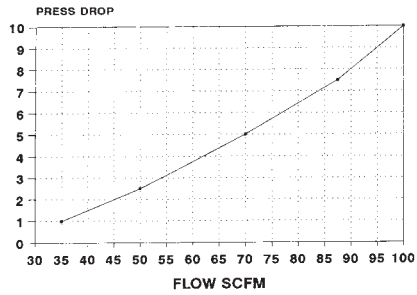
END FITTING SELECTION CHART

CASE	PLUG	Tube Size - 1/4"		Tube Size - 3/8"		Tube Size - 1/2"		Tube Size - 3/4"		Tube Size - 1"	
		Dash Size - 4 Pipe Size - 1/8"		Dash Size - 6 Pipe Size - 1/8"		Dash Size - 8 Pipe Size - 1/4"		Dash Size - 12 Pipe Size - 1/2"		Dash Size - 16 Pipe Size - 3/4"	
		Round - 1 1/4"		Round - 1 3/4"		Round - 1 3/4"		Round - 2 1/4"		Round - 2 1/2"	
End Connection		CODE	L	CODE	L	CODE	L	CODE	L	CODE	L
FNPT	FNPT	N/A	N/A	22	4 1/4	23	6	25	7 3/4	26	8 1/4
FNPT	F.O - Ring Thd.	N/A	N/A	92	4 7/8	93	5 7/8	95	7 9/16	96	8 7/8
FNPT	M.O - Ring Thd.	N/A	N/A	52	4 7/8	53	5 7/8	55	7 9/16	56	8 7/8
FNPT	M. 37° Flare	N/A	N/A	152	4 7/8	153	5 7/8	155	7 9/16	156	8 7/8
F.O - Ring Thd.	FNPT	N/A	N/A	162	4 1/4	163	6	165	7 3/4	166	8 1/4
F.O - Ring Thd.	F.O - Ring Thd.	11	4 13/16	12	4 3/4	13	6	15	7 3/4	16	8 1/4
F.O - Ring Thd.	M.O - Ring Thd.	61	4 7/16	62	4 7/8	63	5 7/8	65	7 9/16	66	8 7/8
F.O - Ring Thd.	M. 37° Flare	101	4 7/16	102	4 7/8	103	5 7/8	105	7 9/16	106	8 7/8
M.O - Ring Thd.	FNPT	N/A	4 3/8	72	4 3/8	73	5 5/8	75	7 7/16	76	8 7/8
M.O - Ring Thd.	F.O - Ring Thd.	81	4 3/8	82	4 3/8	83	5 5/8	85	7 7/16	86	8 7/8
M.O - Ring Thd.	M.O - Ring Thd.	141	4 1/8	142	4 1/4	143	5 1/2	145	7	146	8 1/4
M.O - Ring Thd.	M. 37° Flare	171	4 1/8	172	4 1/4	173	5 1/2	175	7	176	8 1/4
M. 37° Flare	FNPT	N/A	4 3/8	112	4 3/8	113	5 5/8	115	7 7/16	116	8 7/8
M. 37° Flare	F.O - Ring Thd.	121	4 3/8	122	4 3/8	123	5 5/8	125	7 7/16	126	8 7/8
M. 37° Flare	M.O - Ring Thd.	131	4 1/8	132	4 1/4	133	5 1/2	135	7	136	8 1/4
M. 37° Flare	M. 37° Flare	41	4 1/8	42	4 1/4	43	5 1/2	45	7	46	8 1/4
Replacement Element		411		412		413		415		416	
Approximate Element Area		13.7 in²		18.6 in²		27.1 in²		36.7 in²		59.7 in²	
Approximate Weight Range (lbs)		0.6-0.8		1.3-1.8		1.7-2.1		3.1-4.5		6.3-7.5	
Oil @ 150ssu — GPM @ 10 psid		2.5		6.0		10.0		16.0		40.0	
*Air @ 3000 psig — SCFM @ 5 psid		125.0		200.0		400.0		825.0		1125.0	

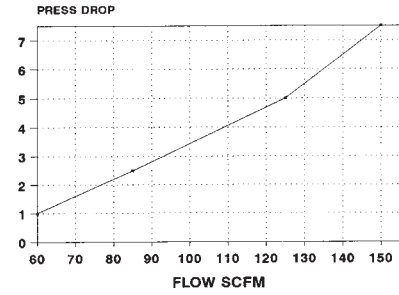
*See Back Cover For Flow Charts



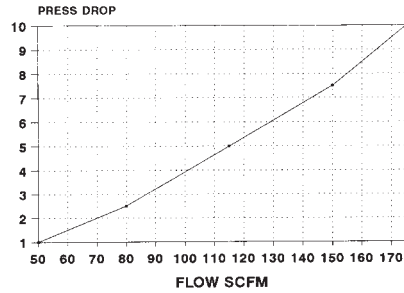
1/4" 1000 PSI



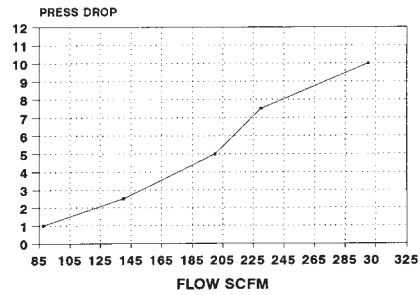
1/4" 3000 PSI



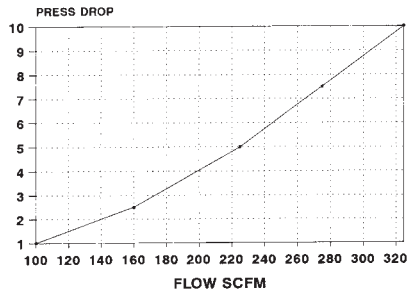
3/8" 1000 PSI



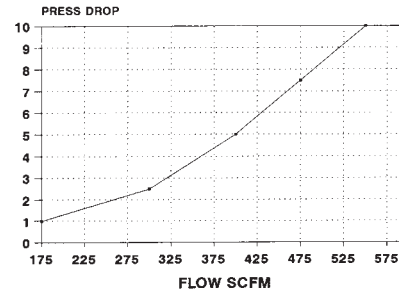
3/8" 3000 PSI



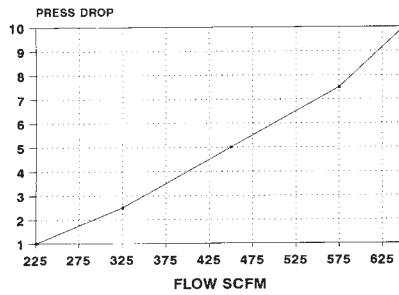
1/2" 1000 PSI



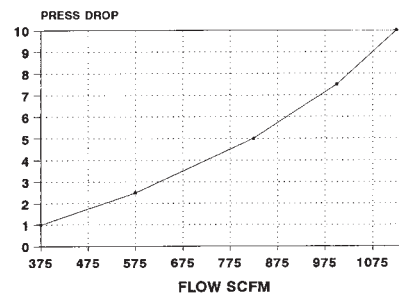
1/2" 3000 PSI



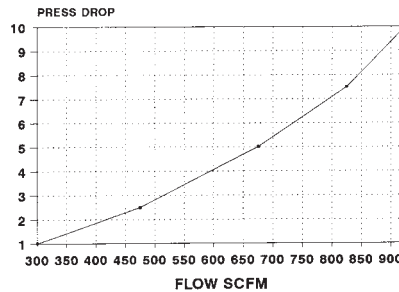
3/4" 1000 PSI



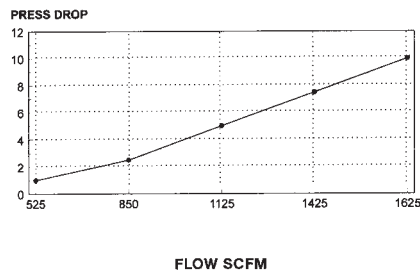
3/4" 3000 PSI



1" 1000 PSI



1" 3000 PSI



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