# Norman 4300 & 4400 Series In-Line Filters





PHONE: 708-233-5521 • FAX: 708-430-5961

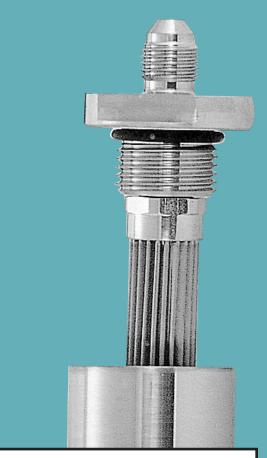
### Norman 4300 & 4400 Series

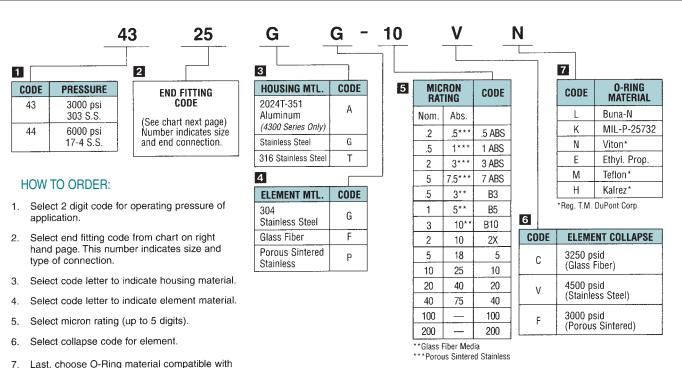
#### 3000 & 6000 psi

The Norman 4300 & 4400 Series Straight In-Line Filters are available in aluminum and stainless steel housings designed for relatively high pressures. Aluminum 2024T-351 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 recleanable, pleated microweave 304 stainless steel (available in seven filtration ratings from 10 to 200 micron absolute), 304L porous sintered stainless steel (available in four filtration ratings from .5 to 7.5 micron absolute) and disposable glass fiber (rated at 3, 5 or 10 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.





These filters are readily available from our huge shelf stock for immediate delivery.



your fluid and service.

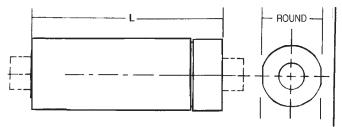
## Straight In-Line Filters

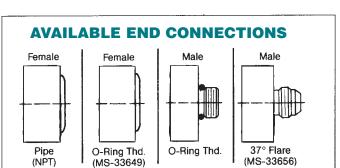


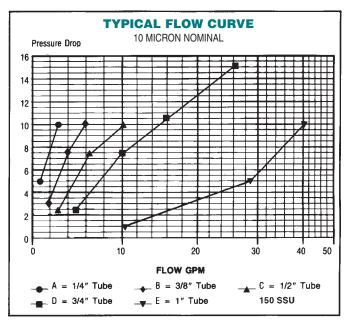
- · Housing: 2024T-351 Alum. or 303 Stainless
- Operating Pressure: 3000 psig
- Proof Pressure: 4500 psigBurst Pressure: 12,000 psig
- Element Media: Microglass high efficiency disposable 304 S.S. woven wire welded construction 304L – Porous sintered stainless cylindrical



- Housing: 17-4 Stainless Steel
- · Operating Pressure: 6000 psig
- Proof Pressure: 9000 psig
- Burst Pressure: 24,000 psig
- Element Media: Microglass high efficiency disposable 304 S.S. woven wire welded construction 304L – Porous sintered stainless cylindrical







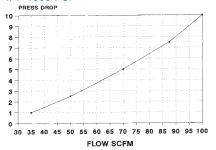
#### **END FITTING SELECTION CHART**

		T	. 4/11	T = 1 = 2:	2/11	T.I. C	1/11	T.I 0:	- 2/11	Tuba O	4"
CASE	PLUG	Tube Size - 1/4"  Dash Size - 4  Pipe Size - 1/8"		Tube Size - 3/8"  Dash Size - 6  Pipe Size - 1/6"		Tube Size - 1/2"  Dash Size - 8  Pipe Size - 1/4"		Tube Size - 3/4"  Dash Size - 12  Pipe Size - 1/2"		Tube Size - 1" Dash Size - 16 Pipe Size - 3/4" Round - 2 1/2"	
End Connection		Round - 1 1/4"		Round - 1 3/4"		Round - 1 3/4"		Round - 2 1/4"		Houria - 2 7/2	
Inlet	Outlet	CODE	L	CODE	L	CODE	L	CODE	L	CODE	L
FNPT	FNPT	N/A	_	22	43/4	23	6	25	73/4	26	83/4
FNPT	F.O -Ring Thd.	N/A	49/16	92	4 <sup>5</sup> / <sub>8</sub>	93	5 <sup>7</sup> /8	95	79/16	96	8 <sup>5</sup> /8
FNPT	M.O -Ring Thd.	N/A	49/16	52	4 <sup>5</sup> / <sub>8</sub>	53	5 <sup>7</sup> /s	55	<b>7</b> 9/16	56	8 <sup>5</sup> /e
FNPT	M. 37° Flare	N/A		152	4 <sup>5</sup> / <sub>8</sub>	153	5 <sup>7</sup> /8	155	79/16	156	8 <sup>5</sup> /8
F.O -Ring Thd.	FNPT	N/A		162	<b>4</b> <sup>3</sup> / <sub>4</sub>	163	6	165	73/4	166	83/4
F.O -Ring Thd.	F.O - Ring Thd.	11	413/16	12	43/4	13	6	15	7³/₄	16	83/4
F.O -Ring Thd.	M.O-Ring Thd.	61	49/16	62	45/8	63	5 <sup>7</sup> /8	65	79/16	66	8 <sup>5</sup> /8
F.O -Ring Thd.	M. 37° Flare	101	49/16	102	4 <sup>5</sup> /8	103	5 <sup>7</sup> /s	105	79/16	106	85/8
M.O-Ring Thd.	FNPT	N/A	43/8	72	4³/ <sub>8</sub>	73	5 <sup>6</sup> /8	75	73/16	76	83/8
M.O -Ring Thd.	F.O -Ring Thd.	81	4³/ <sub>8</sub>	82	4³/ <sub>8</sub>	83	5 <sup>5</sup> /8	85	73/16	86	8³/ <sub>8</sub>
M.O -Ring Thd.	M.O -Ring Thd.	141	4¹/8	142	41/4	143	51/2	145	7	146	81/4
M.O-Ring Thd.	M. 37° Flare	171	4¹/s	172	41/4	173	51/2	175	7	176	81/4
M. 37° Flare	FNPT	N/A	43/8	112	4 <sup>3</sup> / <sub>8</sub>	113	5 <sup>5</sup> /8	115	73/16	116	83/8
M. 37° Flare	F.O-Ring Thd.	121	4 <sup>3</sup> / <sub>8</sub>	122	4 <sup>3</sup> / <sub>8</sub>	123	5⁵/₃	125	73/16	126	83/8
M. 37° Flare	M.O-Ring Thd.	131	41/a	132	41/4	133	51/2	135	7	136	81/4
M. 37° Flare	M. 37° Flare	41	41/s	42	41/4	43	51/2	45	7	46	81/4
Replacement Element		411		412		413		415		416	
Element Area		9 in²		15 in²		25 in²		60 in²		101 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	

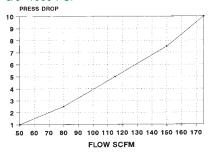
<sup>\*</sup>See Back Cover For Flow Charts



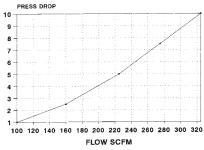
#### 1/4" 1000 PSI



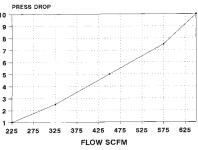
#### 3/8" 1000 PSI



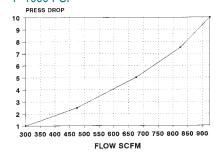
#### 1/2" 1000 PSI



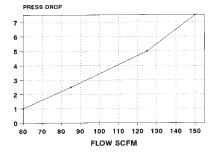
#### 3/4" 1000 PSI



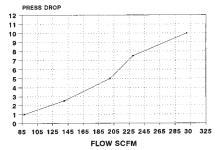
#### 1" 1000 PSI



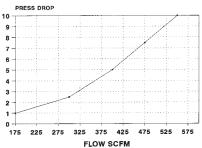
#### 1/4" 3000 PSI



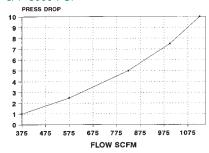
#### 3/8" 3000 PSI



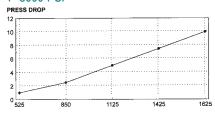
#### 1/2" 3000 PSI



#### 3/4" 3000 PSI



#### 1" 3000 PSI



FLOW SCFM



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