3B FILTERS INC.

MANUFACTURER FOR THE FILTER INDUSTRY SINCE 1978

83 & 84 SERIES

In-Line Filters
Up To 30,000 PSI

Available in 1" HEX to 2 1/2" RND With
Recleanable 304-S.S. Elements From 10 to 200 Micron Absolute
or Beta 200 Microglass Elements, 1 to 25 Micron Absolute

These straight in-line filters are available in 303, 316 and 17-4PH stainless steel that will accommodate the pressures and the gases or liquids required for your application. With precision pleated micron glass and sintered 0.2 to 150 micron abs stainless steel wire elements they will provide the filtration required by any system.

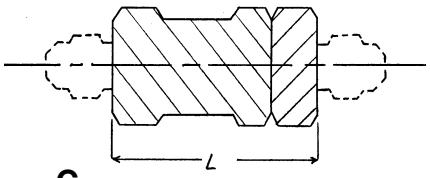
Our 304 stainless steel elements of pleated, recleanable, woven wire have a temperature range of –320ºF to +550ºF and with a choice of filtration ratings ranging from 10 to 200 micron absolute, they should satisfy the most sophisticated installation.

HOW TO ORDER

SAMPLE ASSEMBLY

(INLET) (OUTLET)

G83	–	8	J	8	F	N	–	10W	E
A		B	C	B	C	D		E	F



SAMPLE ELEMENT

715	10W	E	N
G	E	F	D

A

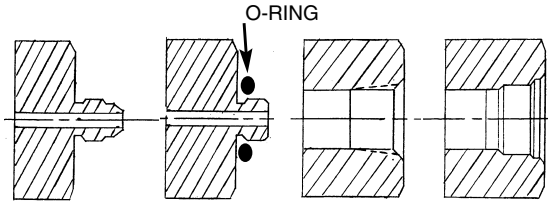
HOUSING MATERIAL		
#	DESCRIPTION	
G83	316 S.S.	3000 PSI
S83	303 S.S.	3000 PSI
P84	17-4 PH. S.S.	6000 PSI
P84 10K	17-4 PH. SS	10000 PSI

B

PORT SIZE	
#	PORT
2	1/8
4	1/4
6	3/8
8	1/2
12	3/4
16	1

C

FITTING	
#	DESCRIPTION
D	Male O-Ring
F	Female Pipe
J	MS-33656
S	MS-33649



Male 37º Flare MS33656 "J" | Male O-Ring "D" | Female Pipe (NPT) "F" | Female O-Ring MS33649 "S"

D

O-RINGS		
#	MATERIAL	TEMPERATURES
N	Nitrile (Buna "N")	– 40°F TO 250°F
V	Viton ®	– 20°F TO 400°F
S	TEV	– 4°F TO 400°F
E	Ethyl Prop	– 60°F TO 300°F
K	Kalrez ®	– 40°F TO 550°F

E

MICRON RATING					
#	DESCRIPTION	ABS	#	DESCRIPTION	ABS
10W	S.S Wire Mesh	10	3M	Microglass	3
18W	S.S Wire Mesh	18	6M	Microglass	6
25W	S.S Wire Mesh	25	12M	Microglass	12
40W	S.S Wire Mesh	40			
75W	S.S Wire Mesh	75			
150W	S.S Wire Mesh	150			

F

COLLAPSE RATING	
#	PRESSURE
D	3250 PSID
E	4500 PSID

G

REPLACEMENT ELEMENT
see specification chart

SPECIFICATIONS

Material Size 1" Hex		
THREADS	SIZE	O.A.L
NPT	1/8	4.81
Male O-Ring	1/4	4.12
MS33649	-4	4.81
MS33656	-4	4.12

Rated Flow*
Oil at 150SSU - 2.5GPM
Air at 100PSIG - 15SCFM
Air at 3000PSIG - 155SCFM
Element Area - 8.5in²
Replacement Element - 711

Material Size 1-1/2" Hex		
THREADS	SIZE	O.A.L
NPT	1/8	4.75
Male O-Ring	3/8	4.25
MS33649	-6	4.75
MS33656	-6	4.25

Rated Flow*
Oil at 150SSU - 6GPM
Air at 100PSIG - 40SCFM
Air at 3000PSIG - 295SCFM
Element Area - 15in²
Replacement Element - 712

Material Size 1-1/2" Hex		
THREADS	SIZE	O.A.L
NPT	1/4	6
Male O-Ring	1/2	5.5
MS33649	-8	6
MS33656	-8	5.5

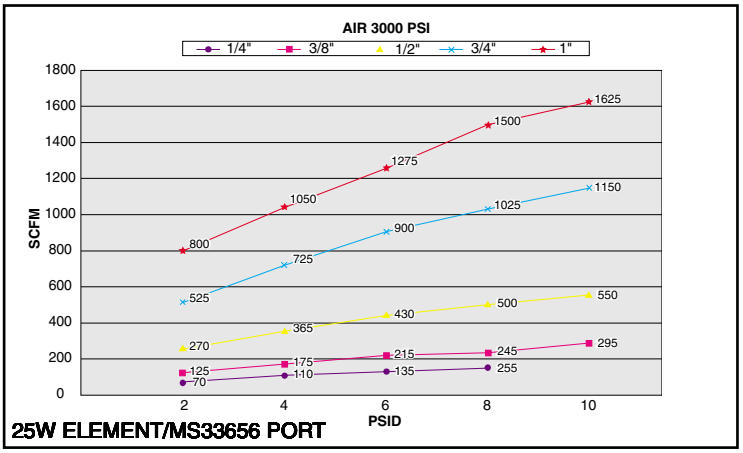
Rated Flow*
Oil at 150SSU - 10GPM
Air at 100PSIG - 75SCFM
Air at 3000PSIG - 550SCFM
Element Area - 25in²
Replacement Element - 713

Material Size 2" Hex or 2-1/4" Rnd		
THREADS	SIZE	O.A.L
NPT	1/2	7.75
Male O-Ring	3/4	7
MS33649	-12	7.75
MS33656	-12	7

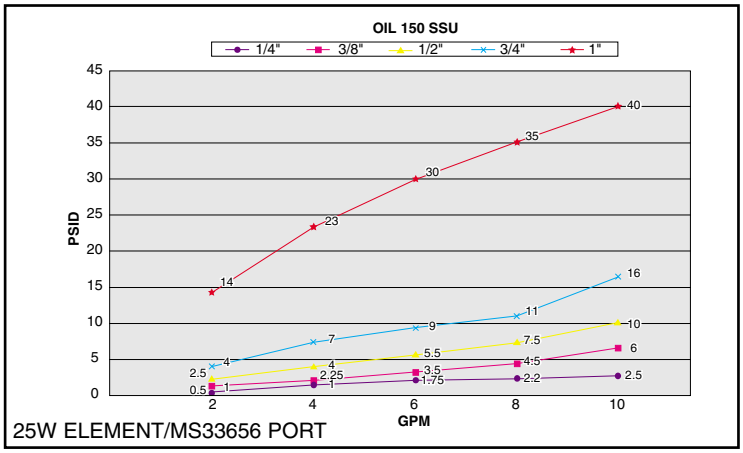
Rated Flow*
Oil at 150SSU - 16GPM
Air at 100PSIG - 195SCFM
Air at 3000PSIG - 1150SCFM
Element Area - 60in²
Replacement Element - 715

Material Size 2-3/8" Hex or 2-1/2" Rnd		
THREADS	SIZE	O.A.L
NPT	3/4	8.75
Male O-Ring	1	8.25
MS33649	-16	8.75
MS33656	-16	8.25

Rated Flow*
Oil at 150SSU - 40GPM
Air at 100PSIG - 340SCFM
Air at 3000PSIG - 1625SCFM
Element Area - 101in²
Replacement Element - 716



25W ELEMENT/MS33656 PORT



25W ELEMENT/MS33656 PORT

® T.M. of DuPont

3B FILTERS INC.
4642 West 92nd Street
Oak Lawn, IL 60453
Phone (708) 636-6240
Toll Free 866-3BFILTERS (323-4583)
Fax (708) 636-6251
3Bfilters@ameritech.net