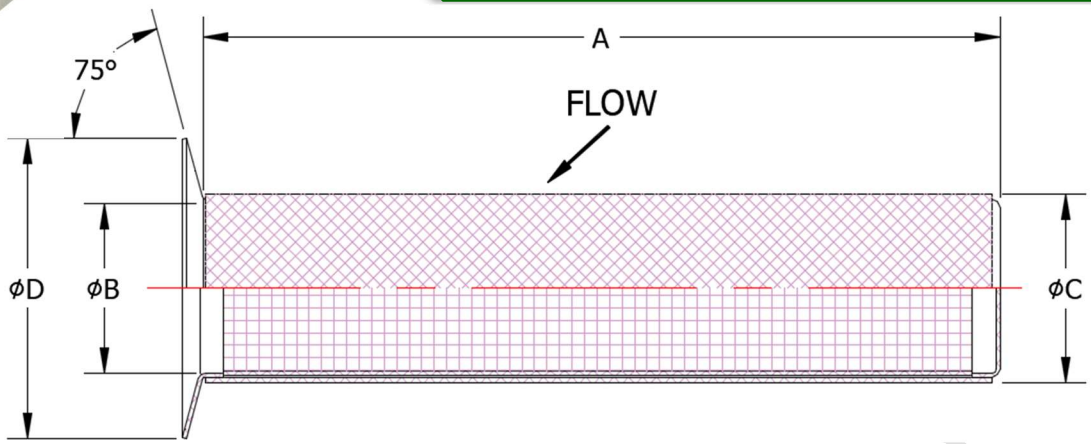
FILTER ELEMENT, FLARELESS (FOR AS33514 APPLICATIONS)



*NOTE: SUPPORT MESH OMITTED FOR 250 MICRONS AND GREATER

PART NUMBER DEFINITION: 81000 - 1 - 2 - (MATL)

- ADD "P" FOLLOWING MAIN PART NUMBER (81000P) FOR PASSIVATION
- STANDARD PASSIVATION: AMS 2700, METHOD 1, TYPE 2, CLASS 2
- MATERIAL: CRES PER AMS-QQ-S-763, CHEMICAL COMPOSITION ONLY
- FILTER MEDIUM: FILTER CAPABLE OF FILTERING LIQUIDS AND GASES
- FILTER MEDIA: SINTERED STAINLESS STEEL WOVEN WIRE MESH
- STANDARD MATERIAL: 304 CRES
- ALTERNATE MATERIAL: 304L CRES, 316 CRES & 316L CRES
- FOR ALTERNATE MATERIAL LISTED, CONSULT FACTORY FOR AVAILABILITY

ADDITIONAL PART INFORMATION:

- MICRON RATING VERIFICATION: PARTICLE CONTROL ASSURED BY BUBBLE POINT TEST PER ARP-901
- CONSTRUCTION: RESISTANCE WELDED

PLEASE NOTE:

- STANDARD PARTS ARE NOT READILY AVAILABLE; HOWEVER, WE MAINTAIN INVENTORY OF SUB-COMPONENTS TO MINIMIZE DELIVERY TIME ONCE AN ORDER IS PLACED
- ANY MODIFICATIONS TO STANDARD PART WILL BE RECLASSIFIED AS A CUSTOM PART, REQUIRING A UNIQUE PART NUMBER

PART NUMBER EXAMPLES: 81000-8-17-316 OR 81000P-6-40

Dash No 1	Tube OD	A ± .040	B ± .01	C MAX	D ± .005
4	.250"	1.040"	.13"	.180"	.250"
5	.312"	1.990"	.14"	.200"	.312"
6	.375"	1.990"	.18"	.240"	.375"
8	.500"	1.990"	.28"	.340"	.500"
10	.625"	1.990"	.34"	.400"	.625"
12	.750"	1.990"	.42"	.480"	.750"
16	1.00"	3.490"	.61"	.670"	1.00"

PROPRIETARY

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Micron 2	When Filtering Liquids		When Filtering Gasses	
	Nominal Micron 98% Removal	Absolute Micron 100% Removal	Nominal Micron 98% Removal	Absolute Micron 100% Removal
02	2	15	1	9
05	5	18	3.5	13
10	10	25	6	18
17	17	45	11	25
40	40	65	30	55
70	70	105	50	85
105	105	150	85	130
145	145	205	120	175
250*	250	350	200	300

CALCULATED DATA				
MICRON	DASH 4 (.250" TUBE OD)		DASH 5 (.312" TUBE OD)	
	EFFECTIVE FILTRATION AREA	MINIMUM COLLAPSE PRESSURE	EFFECTIVE FILTRATION AREA	MINIMUM COLLAPSE PRESSURE
02	0.45 SQ IN.	780 PSID	0.95 SQ IN.	720 PSID
05	0.46 SQ IN.	1060 PSID	0.97 SQ IN.	990 PSID
10	0.46 SQ IN.	1060 PSID	0.97 SQ IN.	990 PSID
17	0.46 SQ IN.	1145 PSID	0.98 SQ IN.	1075 PSID
40	0.47 SQ IN.	1340 PSID	0.99 SQ IN.	1260 PSID
70	0.47 SQ IN.	1340 PSID	0.99 SQ IN.	1260 PSID
105	0.47 SQ IN.	1340 PSID	0.99 SQ IN.	1260 PSID
145	0.48 SQ IN.	1480 PSID	1.00 SQ IN.	1400 PSID
250*	0.48 SQ IN.	500 PSID	1.01 SQ IN.	500 PSID

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CALCULATED DATA				
MICRON	DASH 6 (.375" TUBE OD)		DASH 8 (.500" TUBE OD)	
	EFFECTIVE FILTRATION AREA	MINIMUM COLLAPSE PRESSURE	EFFECTIVE FILTRATION AREA	MINIMUM COLLAPSE PRESSURE
02	1.19 SQ IN.	500 PSID	1.80 SQ IN.	500 PSID
05	1.21 SQ IN.	680 PSID	1.82 SQ IN.	500 PSID
10	1.21 SQ IN.	680 PSID	1.82 SQ IN.	500 PSID
17	1.21 SQ IN.	750 PSID	1.82 SQ IN.	500 PSID
40	1.22 SQ IN.	905 PSID	1.83 SQ IN.	500 PSID
70	1.22 SQ IN.	905 PSID	1.83 SQ IN.	500 PSID
105	1.22 SQ IN.	905 PSID	1.83 SQ IN.	500 PSID
145	1.24 SQ IN.	1030 PSID	1.84 SQ IN.	500 PSID
250*	1.24 SQ IN.	500 PSID	1.85 SQ IN.	310 PSID

CALCULATED DATA				
MICRON	DASH 10 (.625" TUBE OD)		DASH 12 (.750" TUBE OD)	
	EFFECTIVE FILTRATION AREA	MINIMUM COLLAPSE PRESSURE	EFFECTIVE FILTRATION AREA	MINIMUM COLLAPSE PRESSURE
02	2.15 SQ IN.	450 PSID	2.61 SQ IN.	255 PSID
05	2.17 SQ IN.	500 PSID	2.62 SQ IN.	455 PSID
10	2.17 SQ IN.	500 PSID	2.62 SQ IN.	455 PSID
17	2.17 SQ IN.	500 PSID	2.63 SQ IN.	540 PSID
40	2.18 SQ IN.	500 PSID	2.64 SQ IN.	500 PSID
70	2.18 SQ IN.	500 PSID	2.64 SQ IN.	500 PSID
105	2.18 SQ IN.	500 PSID	2.64 SQ IN.	500 PSID
145	2.20 SQ IN.	500 PSID	2.65 SQ IN.	500 PSID
250*	2.20 SQ IN.	190 PSID	2.66 SQ IN.	110 PSID

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CALCULATED DATA		
MICRON	DASH 16 (1.000" TUBE OD)	
02	6.66 SQ IN.	90 PSID
05	6.69 SQ IN.	160 PSID
10	6.69 SQ IN.	160 PSID
17	6.70 SQ IN.	195 PSID
40	6.72 SQ IN.	270 PSID
70	6.72 SQ IN.	270 PSID
105	6.72 SQ IN.	270 PSID
145	6.74 SQ IN.	350 PSID
250*	6.75 SQ IN.	40 PSID

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