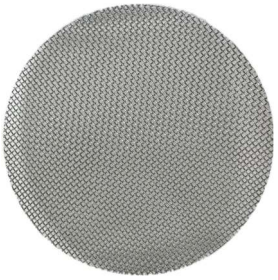
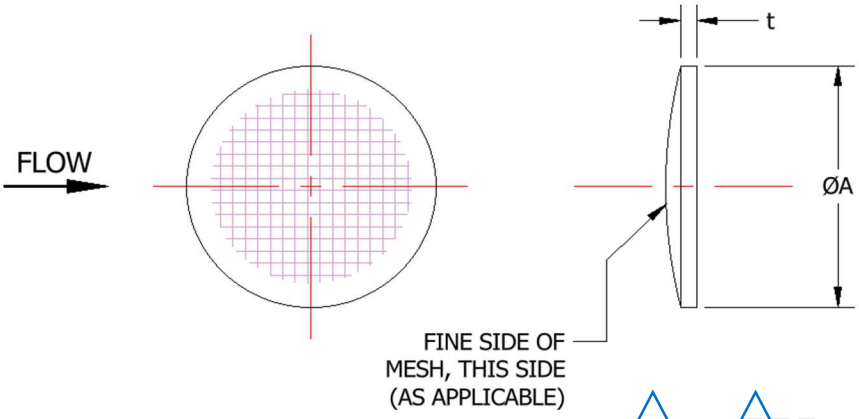
FILTER DISC, NON-REINFORCED





PART NUMBER DEFINITION: 82100 - 1 - 2 - (MATL)

- ADD "P" FOLLOWING MAIN PART NUMBER (82100P) 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 DISC 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 PRIOR TO MANUFACTURING (AT RAW MESH LEVEL)
- DISCS ARE ULTRASONICALLY CLEANED AND BULK PACKAGED IN SEALED PLASTIC BAGS
- NO TOOLING CHARGES APPLY TO STANDARD DISC SIZES
- NOMINAL DISC THICKNESS MAY VARY

PLEASE NOTE:

- ADDITIONAL NON-STANDARD DISC SIZES AVAILABLE, CONTACT OUR SALES DEPARTMENT FOR ASSISTANCE
- TOOLING AND SETUP CHARGES MAY VARY FOR NON-STANDARD DISC SIZES
- ANY MODIFICATIONS TO STANDARD PART WILL BE RECLASSIFIED AS A CUSTOM PART, REQUIRING A UNIQUE PART NUMBER
- CHECK FACTORY FOR LEAD TIME AND AVAILABILITY

PART NUMBER EXAMPLES: 82100-1.000-17-316 OR 82100P-625-40

Disc Diameter 1 **ØA** ± .003	Micron 2	Nominal Disc Thickness **t**	When Filtering Liquids		When Filtering Gasses	
			Nominal Micron 98% Removal	Absolute Micron 100% Removal	Nominal Micron 98% Removal	Absolute Micron 100% Removal
STANDARD DISC SIZES Ø.093-1.500	02	.003"	2	15	1	9
	05	.006"	5	18	3.5	13
	10	.006"	10	25	6	18
	17	.007"	17	45	11	25
	40	.009"	40	65	30	55
	70	.009"	70	105	50	85
	105	.009"	105	150	85	130
	145	.011"	145	205	120	175
	250	.013"	250	350	200	300

PROPRIETARY