

316L Stainless Steel Filter Element for Dry Gas

DESIGN DATA					NOZZLE & CONNECTION				
CODE		ASME SECTION VIII DIV.1			MARK	SIZE	Q'TY	RATING & FACE	DESCRIPTION
FLUID		DRY GAS			N1	8"	1	ANSI600#WNRF	INLET
FLOW RATE(MIN/MAX)		1051.93		m3/hr	N2	8"	1	ANSI600#WNRF	OUTLET
VISCOSITY		0.014		cP	N3A,B	2"	2	ANSI600#LWNRF	DRAIN
DENSITY		51.48		kg/m3	N4	2"	1	ANSI600#LWNRF	VENT
DESIGN PRESS./TEMP. (INT.E)		75/F.V	barg	82/150 °C					
OPERATING PRESS./TEMP.		56.9	barg	51 °C					
PRES. DROP(CLEAN,MAX.)		0.3	/	0.5 bar	SKETCH DWG				
HOUSING SIZE(IDxTL)		375	X	1250 mm					
HOUSING QUANTITY		2		SET					
MDMT (°C)		0.5							
RADIOGRAPHIC (S/H)		FULL / FULL							
PWHT		NO							
JOINT EFF. (S/H)		100 / 100		%					
MAWP		75.68	barg	82 °C					
MAEP		40.4	barg	150 °C					
CORROSION ALLOWANCE		SHELL	3.0	mm					
		HEAD	3.0	mm					
TEST PRESS.		HYDRO	98.39	barg					
		PNEUMATIC	-	barg					
WEIGHT		EMPTY	878	Kg					
		OPERATING	886	Kg					
		FULL WATER	1,033	Kg					
MATERIAL									
HOUSING SHELL /THK.		SA516-70 + S5 / 15t							
HOUSING HEAD /THK		SA516-70 + S5 / 18t							
HOUSING INTERNAL		S.S 316L							
COVER FLANGE		SA305-LF2 CL1							
VESSEL SUPPORT		SA36							
NOZZLE FLANGE		SA305-LF2 CL1							
NOZZLE NECK		SA333-6							
BOLT & NUT		SA193-B7M / SA194-2HM							
GASKET		Spiral Wound							
FILTER									
FILTER PART NUMBER		EPFP-7-B2-001Y							
NO. OF ELEMENTS/HOUSINGS		15		EA					
TOTAL FILTRATION AREA		6		m²					
PARTICLE REMOVAL		1		MICRON					
MATERIAL(ELEMENT)		316L SS							
DIMENSION(O.D.×LENGTH)		65	X	500 mm					
ACCESSORIES AND OTHER									
ANCHOR BOLT/NUT		YES							
LADDER		N/A							
EARTH LUG		YES							
PIPE DAVIT		YES							
LIFTING LUG		YES							
INSULATION		N/A							
PAINT		PCS-1							
FIRE PROOF		N/A							

NOTE	1.Sour Service and equipment compliance with AMR-M7 requirement as per MGP-GEN-SPC-HEC-000-00007-00
	2.Removal efficiency:99% for particle size of 1 micron.
	3.Steam out condition(150°C at ATM) is to be taken into account.