



DEHDASHT PETROCHEMICAL INDUSTRY COMPANY
DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT



DOCUMENT TITLE: Propylene Filter Dryer Data Sheet

POI: IFA

Contract No.: DPIC/98-12

DOCUMENT NUMBER: DPIC9812-000-VD-1002-ME-DS-0084

Rev. No.: D1

DOCUMENT TITLE:

**Propylene Filter Dryer Data Sheet
(F-PK6101-2)**

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PURCHASER'S COMMENT/APPROVAL STATUS					Purchaser: NARGAN
1	AP: Approved (Released for Manufacturing)				Requisition No.: DPIC98-12-001-000-ME-MR-4150-0001-D1
2	AN: Approved With Minor Comments (Fabrication may Proceed)				
3	NF: Approved With Comments (Fabrication not Proceed)				Item No. (Tag No.): PK-6101
4	RJ: Rejected				
5	NR: Not be Returned				Vendor Doc. No.: DPIC9812-000-VD-1002-ME-DS-0084-D1
Date:		15.01.2022	Signature: A.AB		
D1	18.Dec..21	R.Goudarzi	DR.A.Nejati	DR.A.Nejati	
D0	28.Nov..21	R.Goudarzi	DR.A.Nejati	DR.A.Nejati	
REV	DATE ISSUE	PREPARED	CHECKED	APPROVED	



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FILTER DRYER							
1	SERVICE	PROPYLENE FILTER/ DRYER			ITEM NO.	F-PK6101-2	
2	TYPE	HORIZONTAL			QUANTITY :	1	
3	SHELL ID :	4" -SCH 40	TL.TL. :	195 mm	CAPACITY	SHELL : 1.6 m ³	
4	JACKET ID :	-	TL.TL. :	- mm	JACKET:	- m ³	
5	WEIGHT	EMPTY:	OPERATING:	kg	INSTALLATION:	OUTDOOR	
6	DESIGN & TEST DATA			MATERIALS			
7	SHELL		JACKET		SHELL	JACKET	
8	CODE & STD	ASME SECT.VIII (NO STAMP)			SHELL	SA 333 GR.6	
9	FLUID	PROPYLENE			CAP	A420 WPL6	
10	TEMPERATURE	DESIGN	-45/135 °C	- °C	GIRTH FLG	-	
11		OPERATING	48.5 °C	- °C	NOZZLE NECKS	SA 333 GR.6	
12	PRESSURE	DESIGN	23.0 BarG	- BarG	NOZZLE FLANGE	SA 350 LF2 CL.1	
13		OPERATING	18.6 BarG	- BarG	INTERNALS	S.S. 304	
14	VACUUM	1.013 BarA	- BarG	INT PIPES	-		
15	DENSITY @PT	461 kg/m ³	- kg/m ³	BOLTS / NUTS	NZL FLG	-	
16	VISCOSITY @PT	0.06 cP	- cP		GIRTH FLG	-	
17	CORROSION ALLOW.	3.0 mm	- mm		INT	-	
18	VAC DESIGN	NO	-		EXT	A193Gr.B7/A194Gr.2H	
19	TEST	HYDRO	34.5 BarG	- BarG	GASKET	NZL FLG	PTFE
20		PNUEM LEAK	- BarG	- BarG		GIRTH FLG	-
21		VACUUM	0.02 BarG	-		INT	-
22	POST WELD HEAT TREAT	DONE	AS PER CODE	LEG/PADS	-		
23	RADIOGRAPHIC EXAM. (CYL/HD)	FULL	-	CLIPS/PADS	-		
24	JOINT EFF (CYL/HD)	1.0	-	ANCHOR BOLT	-		
25	WELDER'S QUALIF	Please specify the flowrate.		LIFTING LUG/PAD	-		
26	SEISMIC COEF	N/A		BLIND FLANGE	A516 GR.70		
27	WIND LOAD	N/A					
28	TYPE OF HEAD	CAP / FLAT					
29	INSULATION (THK,AREA)	NO	- mm	REMARKS:			
30	SURFACE PREP EXT/INT	ST3/ -		1- FILTER SHOULD BE FILLED WITH MOLECLAR SIEVE FOR DRYING PROPYLENE.			
31	FIRE PROOFING	N/A		2- THE FILTER IS NOT DESIGNED FOR CATCHING DIRT BUT IS AS ALREADY INDICATED MOLECULAR SIEVE. FOR THIS REASON NO PRESSURE DROP IS TO BE CONSIDER.			
32	PAINTING	AS PER PROJECT SPEC.					
33							
34	ACCESS. & SPL PARTS	COALESCER: 2 STAGES					
35							
36							
37	SPARE PARTS						
38	TOLERANCE						
39	NOZZELS & OPENINGS (per one shell)						
40	MARK	NO.	SIZE	FLANGE		SERVICE	
41				RATING	TYPE	FACE	
42	A	1	1"	ASME 300#	WN	RF	INLET
43	B	1	1"	ASME 300#	WN	RF	OUTLET
44	M	1	OD: 150 mm	-	-	-	COVEER

