



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.: D2

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
X	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-D2
Date:		07.03.2022	Signature:		
D2	01.Feb..22	R.Goudarzi	DR.A.Nejati	DR.A.Nejati	
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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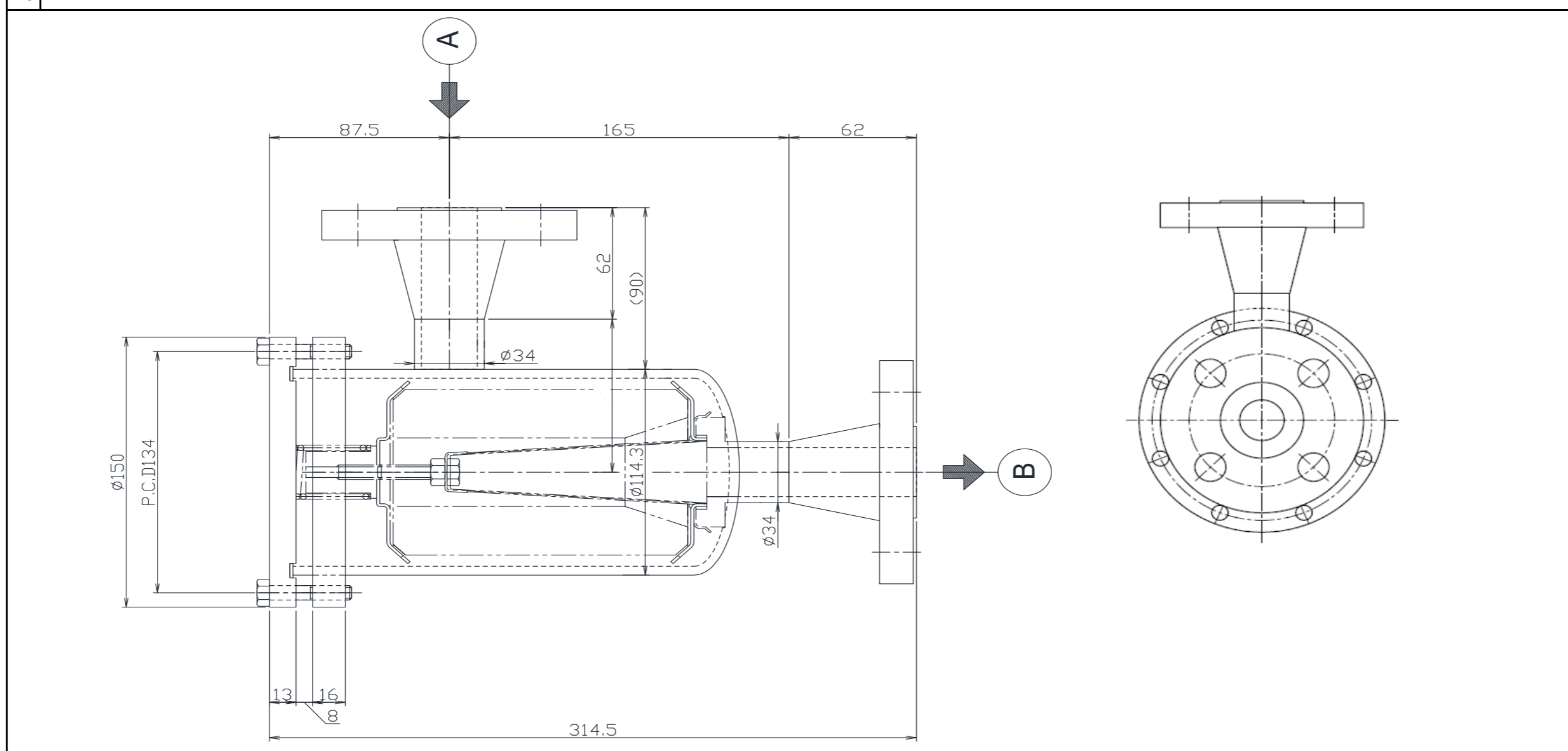
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	DOCUMENT TITLE: Propylene Filter Dryer Data Sheet	
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FILTER DRYER								
1	SERVICE	PROPYLENE FILTER/ DRYER			ITEM NO.	F-PK6101-2		
2	TYPE	HORIZONTAL			QUANTITY :	1		
3	SHELL ID :	4" -SCH 40	TL.TL. :	195	mm	CAPACITY		
4	JACKET ID :	-	TL.TL. :	-	mm	SHELL :		
5	WEIGHT	EMPTY:	23.5	OPERATING:	24.33	kg	JACKET:	
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	48.4	°C	-	°C	NOZZLE NECKS	
12	PRESSURE	DESIGN	23.0	BarG	-	BarG	NOZZLE FLANGE	
13		OPERATING	18.9	BarG	-	BarG	INTERNALS	
14		VACUUM	1.013	BarG	-	BarG	INT PIPES	
15	DENSITY @PT	467			kg/m ³	BOLTS / NUTS	NZL FLG	
16	VISCOSITY @PT	0.067			cP	-	cP	GIRTH FLG
17	CORROSION ALLOW.	3.0			mm	-	mm	INT
18	VAC DESIGN	NO			-	-	-	EXT
19	TEST	HYDRO	30	BarG	-	BarG	GASKET	NZL FLG
20		PNUEM LEAK	-	BarG	-	BarG	-	GIRTH FLG
21		VACUUM	0.02	BarG	-	-	-	INT
22	POST WELD HEAT TREAT	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				-	-	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.			-	-	3- WATER CONTENT:	
33					-	-	IN INLET: ??? (to be specified by CLIENT)	Propylene will be supplied by capsules (supplying and location to be considered by vendor) and the amount of water for inlet stream shall be considered by vendor based on experience
34	ACCESS. & SPL PARTS	COALESCER: 2 STAGES			-	-	IN OUTLET: <1 ppm	
35					-	-	4- PROPYLENE FLOW RATE IS 1.0 ~ 1.2 m3/h (JAST FOR STARTING UP THE PACKAGE.	
36					-	-		
37	SPARE PARTS				-	-		
38	TOLERANCE				-	-		
39	NOZZELS & OPENINGS (per one shell)							
40	MARK	NO.	SIZE	RATING	TYPE	FACE	SERVICE	
41								
42	A	1	1"	ASME 300#	WN	RF	INLET	
43	B	1	1"	ASME 300#	WN	RF	OUTLET	
44	M	1	OD: 150 mm	-	-	-	COVER	
45	SKETCH							



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Pressure drop to be specified