


	Toase-ehe Park Sanati Gohar Ofogh Petrochemical Co.	
	CONCEPTUAL, BASIC and DETAIL DESIGN ENGINEERING OF STYRENE PARK OFFSITE	 
	Document Title: Instrument Data Sheet for Basket Filter	Document No. : EI027-ENR-VD-IN-DSH-003
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STYRENE PARK OFFSITE

Document Title:

**Instrument Data Sheet
for
Basket Filter**

R0	17/04/2024	Issued for Comment	A.Mohamadhoseini	E.Malek	H.Keshmiri
Rev.	Issued Date	DESCRIPTION	PREPARED	CHECKED	APPROVED

Page	Revisions							Page	Revisions						
	R0	R1	R2	R3	R4	R5	R6		R0	R1	R2	R3	R4	R5	R6
1	X							41							
2	X							42							
3	X							43							
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DATA SHEET FOR DIFFERENTIAL PRESSURE TRANSMITTER

GENERAL	1	Item Number	Tag Number	QTY.	2	See Table A		2		
	2	Service			See Table A					
	3	P&ID No.			EI027-HRC-VD-PR-PID-003-R1					
	4	Line/Equipment No.			See table A					
PROCESS CONDITIONS	5	Fluid	Phase		Air+Styrene (3.5 g/Nm3)		Vapor			
	6	Oper. Pressure	Min.	Nor.	Max.	Unit	-0.08	0.02	0.02	barg
	7	Oper. Diff. Press.	Min.	Max.	Unit	See table A		See table A		bar
	8	Oper. Temp.				Unit	15		C	
	9	Design Pressure				Unit	3.5		barg	
	10	Design Temp.				Unit	85		C	
	11	Operating Viscosity				Unit	0.02		cP	
	12	Pulsation	No							
	13	Corrosive Service	Super Heat		Yes			No		
	14	Toxic Service	NACE Requirement		Yes			No		
TRANSMITTER	15	Instrument Type	Model		DIFFERENTIAL PRESSURE TRANSMITTER		V.T.A			
	16	Instrument Range	Calibration Range	Unit	-621.60 to 621.60 mbar (V.T.C)		0 - (0.2)	barg		
	17	Zero Adjustment	Span Adjustment		Yes			Yes		
	18	Integrated Local Indicators	LCD Required							
	19	Power Supply	Power Consumption		24 vDC		V.T.A			
	20	Output Signal	Electrical Connection		4-20 mA		M20*1.5			
	21	Housing Material	Die-Cast Aluminum							
	22	Ex Certificate	Ex'd' IIB T3							
	23	Ingress Protection	IP 65							
	24	Element Type	Element Material		Diaphragm Type		S.S 316			
SENSING & BODY	25	Body Material		S.S 316						
	26	Instrument Connection		1/2" NPTM						
	27	Accuracy		±0.15 % of Calibration span						
	28	Model Number		N/A						
DIAPHRAGM SEAL	29	Type		N/A						
	30	Process Connection		N/A						
	31	Connection Material	Connection Rating		N/A					
	32	Extended Length		N/A						
	33	Diaphragm Material		N/A						
	34	Bottom Housing Material		N/A						
	35	Fill Fluid		N/A						
	36	Capillary Length		N/A						
	37	Capillary Bleeder		N/A						
	38	Capillary Material		N/A						
	39	Flushing Connection		N/A						
	40	Top Housing Material		N/A						
OPTIONS	41	Siphon	Type / Material		N/A		N/A			
	42	Snubber	Material		N/A		N/A			
	43	Over range Protector	Material		N/A		N/A			
	44	Oil Filled		N/A						
MANIFOLD	45	Valve Type	Model		5-Way Valve		V.T.A			
	46	Body Material	Trim Material		S.S 316		S.S 316			
	47	Process Connection/Instrument Connection		1/2" NPTM						
	48	Vent/Drain size/ Valve Rating		1/4" NPTM/3000#						
	49	Packing Material		PTFE						
PURCHASE	51	Manufacturer								
	52	Model								
	53									

Notes:

Table A						
item	Tag No.	Service	Line No./Equip. No	Oper. Diff. Press. (Bar)		Remark
				min.	max.	
1	PDIT-103	Basket Filter	PK-0001-A	0.06	0.1	
2	PDIT-104	Basket Filter	PK-0001-B	0.06	0.1	