


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

# STYRENE PARK OFFSITE

**Document Title:**

**Instrument Data Sheet  
for  
Basket Filter**

Rev.	Issued Date	DESCRIPTION	PREPARED	CHECKED	APPROVED
R1	12/6/2024	Final Issue	A.Mohamadhoseini	E.Malek	H.Keshmiri
R0	17/04/2024	Issued for Comment	A.Mohamadhoseini	E.Malek	H.Keshmiri

Page	Revisions							Page	Revisions						
	R0	R1	R2	R3	R4	R5	R6		R0	R1	R2	R3	R4	R5	R6
1	X	X						41							
2	X	X						42							
3	X	X						43							
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			Page 3 of 3

DATA SHEET FOR DIFFERENTIAL PRESSURE TRANSMITTER										
GENERAL	1	Item Number	Tag Number	QTY.		1	See Table A		2	
	2	Service		See Table A						
	3	P&ID No.		EI027-HRC-VD-PR-PID-003-R3						
	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							
SENSING & BODY	23	Ingress Protection	IP 65							
	24	Element Type	Element Material		Diaphragm Type		S.S 316			
	25	Body Material	S.S 316							
	26	Instrument Connection		1/2" NPTM						
DIAPHRAGM SEAL	27	Accuracy	±0.15 % of Calibration span							
	28	Model Number	N/A							
	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							
OPTIONS	39	Flushing Connection	N/A							
	40	Top Housing Material	N/A							
	41	Siphon	Type / Material	N/A		N/A				
	42	Snubber	Material	N/A		N/A				
MANIFOLD	43	Over range Protector	Material	N/A		N/A				
	44	Oil Filled	N/A							
	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#						
PURCHASE	49	Packing Material		PTFE						
	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-0003	Basket Filter	PK-0001-A	0.06	0.1	
2	PDIT-0004	Basket Filter	PK-0001-B	0.06	0.1	