



Toase-ehe Park Sanati Gohar Ofogh Petrochemical Co.

**CONCEPTUAL, BASIC and DETAIL DESIGN
ENGINEERING OF STYRENE PARK OFFSITE**



Document Title: PFD for Basket Filter

Document No. : EI027-ENR-VD-PR-PFD-002

Rev.: R1

Page 1 of 3

STYRENE PARK OFFSITE

Document Title:

PFD for Basket Filter

Rev.	Issued Date	DESCRIPTION	PREPARED	CHECKED	APPROVED
R1	14/04/2024	Issued for Comment	M.Tavakoli	E.Malek	H.Keshmiri
R0	20/02/2024	Issued for Comment	M.Tavakoli	E.Malek	H.Keshmiri



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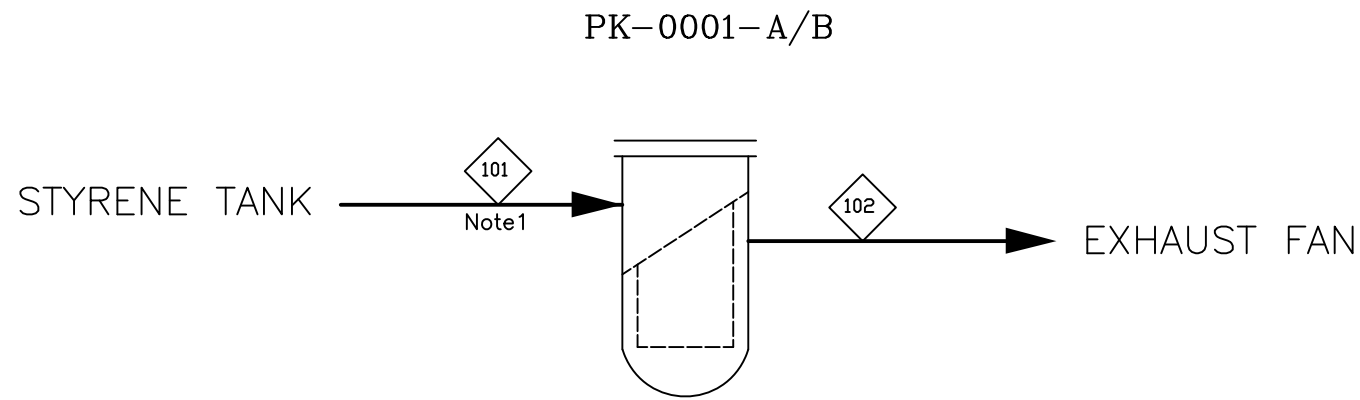
Rev.: R1

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Page	Revisions						
	R0	R1	R2	R3	R4	R5	R6
1	X	X					
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3	X	X					
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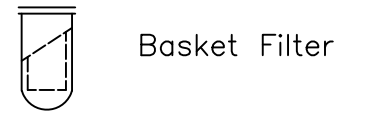
PK-0001-A/B
 AIR AFTER FILTER
 OP. T. = 15 C
 OP. P. = 0.02 barg



STREAM NUMBER		101	102
Service		Air + Styrene	Air+Styrene
Vapor Frac.		1.0000	1.0000
Temperature	C	15	15
Pressure	barg	0.02	-0.08
Normal Flow(Note1)	Nm3/hr	1080	1080
Density	kg/m3	1.2	1.08
Viscosity	cP	0.02	0.02
Molecular Weight	kmol/kg	28.1	28.1
Heat Capacity	kJ/kmolC	29.4	29.4
Cp/Cv		1.4	1.4
COMPOSITION	%wt		
Styrene		3.5 g/Nm3	3.5 g/Nm3
Air		balanced	balanced

REFERENCE DRAWING	DWG NO.	REV.
PFD FOR STYRENE	EI0127-000-ED-PR-PFD-501	R3

LEGENDS :



NOTES :

1. Feed stream is intermittent at loading time of upstream styrene storage tank.

KEY PLAN :

REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	COMPANY
R1	14-Apr-24	Issued for Comment	M.T.	E.M.	H.K.	HRCO
R0	20-Feb-24	Issued for Comment	M.T.	E.M.	H.K.	HRCO

CLIENT:  PJPC

CONSULTING ENGINEER:  صنعتی گروہ رانی

VENDOR:  ENBR TEKNOLOJI

 HAMOON RAH

PROJECT: **STYRENE PARK OFFSITE**

DRAWING TITLE: **PFD for Basket Filter**

DRAWING NO.	REV.	SIZE	SCALE	SHEET
EI027-ENR-VD-PR-PFD-002	R1	A3	NTS	3 of 3