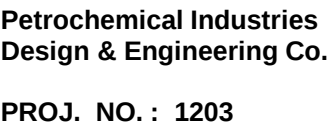
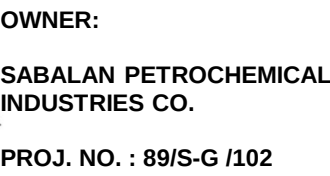


 Petrochemical Industries Design & Engineering Co. PROJ. NO. : 1203	SABALAN METHANOL PLANT		 OWNER: SABALAN PETROCHEMICAL INDUSTRIES CO. PROJ. NO. : 89/S-G /102			
	COVER SHEET					
DATA SHEET FOR PRESSURE RELIEF DAMPER FOR ANALYZER DOCUMENT NO : 1203-00-HV-DSH-232 TOTAL PAGES : 1 (Excluding Cover & Revision Index Sheets)						
ED		EXT		CF		A
Eng. Phase		Purpose Of Distribution (POD)		Purpose Of Issue (POI)		Owner's Action
02	11.04.2016	CERTIFIED FINAL (Generally Revised)	A.Mirzaie	M.Mashayekh	A.Moadeli	N.Jafarpour
01	11.07.2012	APPROVED FOR CONSTRUCTION	A.Mirzaie	M.Momenaie	A.Moadeli	N.Jafarpour
00	27.05.2012	ISSUED FOR ENGINEERING	A.Mirzaie	M.Momenaie	A.Moadeli	N.Jafarpour
Rev.	Date	Description	Prepared by	Checked by	Approved by	Project



DATA SHEET FOR MOTORIZED FIRE DAMPER FOR ANALYZER

Rev.: 02

[illegible]

 Petrochemical Industries Design & Engineering Co. PROJ. NO. : 1203	SABALAN METHANOL PLANT		 OWNER: SABALAN PETROCHEMICAL INDUSTRIES CO. PROJ. NO. : 89/S-G /102
	DATA SHEET FOR MOTORIZED FIRE DAMPER FOR ANALYZER		
	DOC. NO. : 1203-00-HV-DSH-232	Rev.: 02	

NO.	GENERAL									
1	Type	Pressure Relief Damper				Manufacturer / Origin * / *				
2	Tag No.	As Per Following Table				Air Flow	cfm	As Per Following Table		
3	Quantity	As Per Following Table				Overall Size	L x W	mxm	As Per Following Table	
4	Service	As Per Following Table				Operating Weight	kg	As Per Following Table		
5	SITE CONDITION									
6	Location / Latitude:	Assaluyeh / 28.5° N				Altitude	m	34		
7	Ambient Air Temperature	Max/ Min	°C	48 / 5		Wet Bulb Temp	°C	33		
8	CONSTRUCTION									
9	Frame	Material/Grade		Galv. Steel		Shafting	Material/Grade		12 mm S.S. 304L	
10	Profile & Size		mm	2		Type	Round Rod, One Cont. Per Blade			
11	Finish/Thickness		mm	* / *		Dr. Force Transmission Mechanism		-		
12	Blades	Material/Grade		Al. Sheet		Finish/Thickness		mm	-	
13	Single / Double Skin		Single Skin		Nameplate Material		S.S. Plate			
14	Thickness		mm	0.7		Bearings	PVC or bronze self-lubricating bushings*			
15	Finish/Thickness		mm	* / *		No. of Blades / Config.	Par. / Op.	* / Parallel		
16	MISCELLANEOUS									
17	PRESSURE RELIEF DAMPER					OTHER SPECIFICATIONS				
18	Inside Set Pressure	in.w.g		0.2		Fire Rating	N.A.			
19	Mounting	Wall				Leakage Rate	l/s per m2 <3 @ 100 Pa differential			
20	ELECTRICAL DATA					pressure & damper closed				
21	Motor Manufacturer / Origin		N.A.			Control Enclosure Size	mm	N.A.		
22	Actuators Position / Rating		N.A.			Number Of Damper Units		*		
23	Actuators Power Rating		w	N.A.		System Design Pressure	in.w.g	N.A.		
24	Actuator Power Supply		Volts	N.A.		Spring Set Point	in.w.g	N.A.		
25	Type Of Actuator		N.A.			Closure Time	Sec	N.A.		
26	Micro Switch Required / Rating		N.A.			Fusible Element Rating		N.A.		
27	Junction Box Required / Rating		N.A.			Frangible Bulb Temp.	°C	N.A.		
28	ACCESSORIES									
29	Differential Pressure Switch		Not Required			Blade Seals	Neoprene or polyester			
30	Counterweight		Zinc Plated							
31										
32	Tag No.	Air Flow (cfm)	Qty.	Size (Note 5) (mm x mm)	Electrical Classification	Service Equipment	DP (in.w.g)	Wght (kg)	Mfg. Model No.	Notes
33										
34	PRD-0050	340	1	500x460	UNCLSFD.	Analyzer Room PRD	*	*	*	
35	PRD-0051	50	1	250x140	UNCLSFD.	West Air Lock Lobey PRD	*	*	*	
36	PRD-0052	50	1	250x140	UNCLSFD.	East Air Lock Lobey PRD	*	*	*	
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REMARKS:

- 1
- * To be filled by vendor.
- 2
- The frame shall be so designed as to eliminate all water traps and all welds will be continuous.
- 3
- Air leakage past fully closed volume damper shall not exceed 5% of the maximum design air flow in the duct.
- 4
- N.A. Not Applicable.
- 5
- The given size is equal the duct size that the damper will installed on it.
- 6
- The damper shall be provided with adjustable counterweight for space pressure setting.