

digitalYEWFLO Sizing Sheet

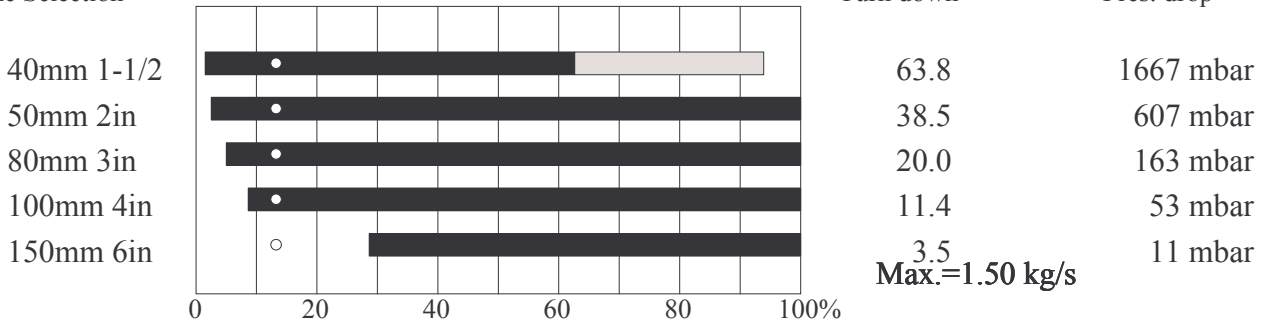
Shop Order No.		Item No.	
Order No.		Tag No.	
Job Name		48FRQ-060	
Agency	ENTREPOSE		
End User			
Plant Name	BONNY ISLAND	Quantity	1
Model&Suf.Code			

Reduced bore type		not select
Nominal Size	:E10	80mm 3in
Fluid Name		Nitrogen
Kind of Fluid	:C20	Gas
Maximum Flow Rate	:C45,B10	1.500 kg/s
Minimum Flow Rate		0.200 kg/s
Scale Condi.	:C32,C35	Operating Condition
Operating Temperature	:C31,D21	40.000 degC
Maximum Temperature		40.000 degC
Operating Pressure		7.800 bar gauge
Operating Pressure(abs)	:C34	8.813 bar abs
Minimum Operating Pressure		7.800 bar gauge
Deviation Factor	:C36	1.000
Density at Scale Condition		1.251 kg/m3
Density at Oper. Condition	:C26,D26	9.491 kg/m3
Kine. Viscosity		1.791 cSt
Total Rate	:B45	0.0000 kg/pulse
Pulse Rate		0.0000 kg/pulse
Low Cut Value	:D10	0.08 kg/s

Size Selection

Turn down

Pres. drop



Measurable Zone
 Accuracy Guaranteed Zone
 High Velocity Zone (out of accuracy guaranteed)

○ Min. Flow Rate

Size	40mm 1-1/2	50mm 2in	Selected 80mm 3in	100mm 4in	150mm 6in
	Fitness	No Good	Good	Good	Good
Reason of NG	OVER FLOW				Over Size
Reynolds Number at Max. Flow	2830289	2198874	1582570	1197894	809528
Measurable Maximum Flowrate(kg/s)	0.940	1.557	3.006	5.247	11.489
Measurable Minimum Flowrate(kg/s)	0.023	0.039	0.075	0.131	0.431
Flow Velocity at Maximum Flowrate(m/s)	127.676	77.063	39.918	22.871	10.445
Measurable Minimum Flow Velocity(m/s)	2.000	2.000	2.000	2.000	3.000
Min. Flow for Specified Accuracy(1.0%)(kg/s)	0.023	0.039	0.075	0.131	0.431
Error at Measurable Min. Flow(%)	+-1.00%	+-1.00%	+-1.00%	+-1.00%	+-1.00%

CHECKED.BY

RE	n	REMARKS	DATE	REV.BY			