

Gas Precompression Unit					
Data Sheets For Pressure Regulator Valves					
GENERAL					
1					
2	SERVICE/TYPE		N2		N2
3					
4					
5	PIPE SIZE		1"		1/2"
BODY					
6	TYPE OF BODY	BODY MATERIAL	GLOBE	ASTM A105	GLOBE
7	BODY SIZE	TRIM SIZE	1"	VTA	1/2"
8	END CONN. & RATING	BONNET TYPE	FLANGED , 300 # R.F.	STANDARD	FLANGED , 300 # R.F.
9	TRIM MATERIAL	PACKING MATERIAL	13%Cr	PTFE	13%Cr
10	SEAT TIGHTNESS	MAX. ALLOW SOUND		85 dBA at 1 m	85 dBA at 1 m
ACTUATOR					
11	TYPE OF ACTUATOR / CONTROL		DIAPHRAGM / SELF CONTROL		DIAPHRAGM / SELF CONTROL
12	MEMBERANCE MATERIAL		VTA		VTA
13	SIZE		VTA		VTA
14	ADJUSTMENT RANGE / SETPOINT				
15	Pressure set point		1 BARG		1.1 BARG
16	Fail position		CLOSE		CLOSE
17	Enclosure Protection		IP 65		IP 65
18	Seal type		DIAPHRAGM		DIAPHRAGM
MATERIAL					
19	TRIM TYPE/GUIDING		Normal / Cage Guided		Normal / Cage Guided
20	PLUG MATERIAL	SEAT MATERIAL	VTA		VTA
21	GUIDE MATERIAL	GASKET MATERIAL		VTA	VTA
22	STEM/SHAFT MATERIAL	Spring material	VTA		VTA
PILOT					
23	TYPE		INTERNAL		INTERNAL
24	PNEUMATIC CONNECTION		--		--
25	PRESSURE GAUGE		--		--
26	ADJUSTABLE SET POINT SCALE		YES		YES
ACCESSORIES					
27	IMPULSE PIPE WORK		VTA		VTA
28	MATERIAL				
29	DIAMETER		VTA		VTA
SERVICE					
30	FLUID / STATE		N2		N2
31	SPECIAL CONDITIONS:	MIN	NORMAL	MAX	MIN
32	FLOW ( KG/HR )		15		15
33	UPSTREAM PRESSURE (BARG )		7	7.5	0.22
34	DOWN STREAM PRESSURE (BARG )		0.2		0.02
35	TEMPERATURE @ UPSTREAM OPERATING COND. (° C)		25	52	25
36	DENSITY @ UPSTREAM OPERATING COND.(Kg/m3)		9		1.4
37	VISCOSITY @ UPSTREAM OPERATING COND.(CP)		0.02		0.02
38	DESIGN TEMP. °C	DESIGN PRESSURE (BARG )	95	10.3	95
39	MOLECULAR WEIGHT ( g/mol )		28		28
40	CP/CV		1.4		1.4
41	NOISE		85 dBA at 1 m		85 dBA at 1 m
42	CALCULATED CV: MIN. / MAX.		VTA		VTA
43	VALVE CV		VTA		VTA
44	HYDOTEST (PER ANSI B16.37)		YES		YES
45	MANUFACTURER		VTA		VTA
46	MODEL NO.		VTA		VTA

**NOTE:**

VTA : Vendor to Advice

VTC : Vendor to Confirm

N/A : Not Applicable