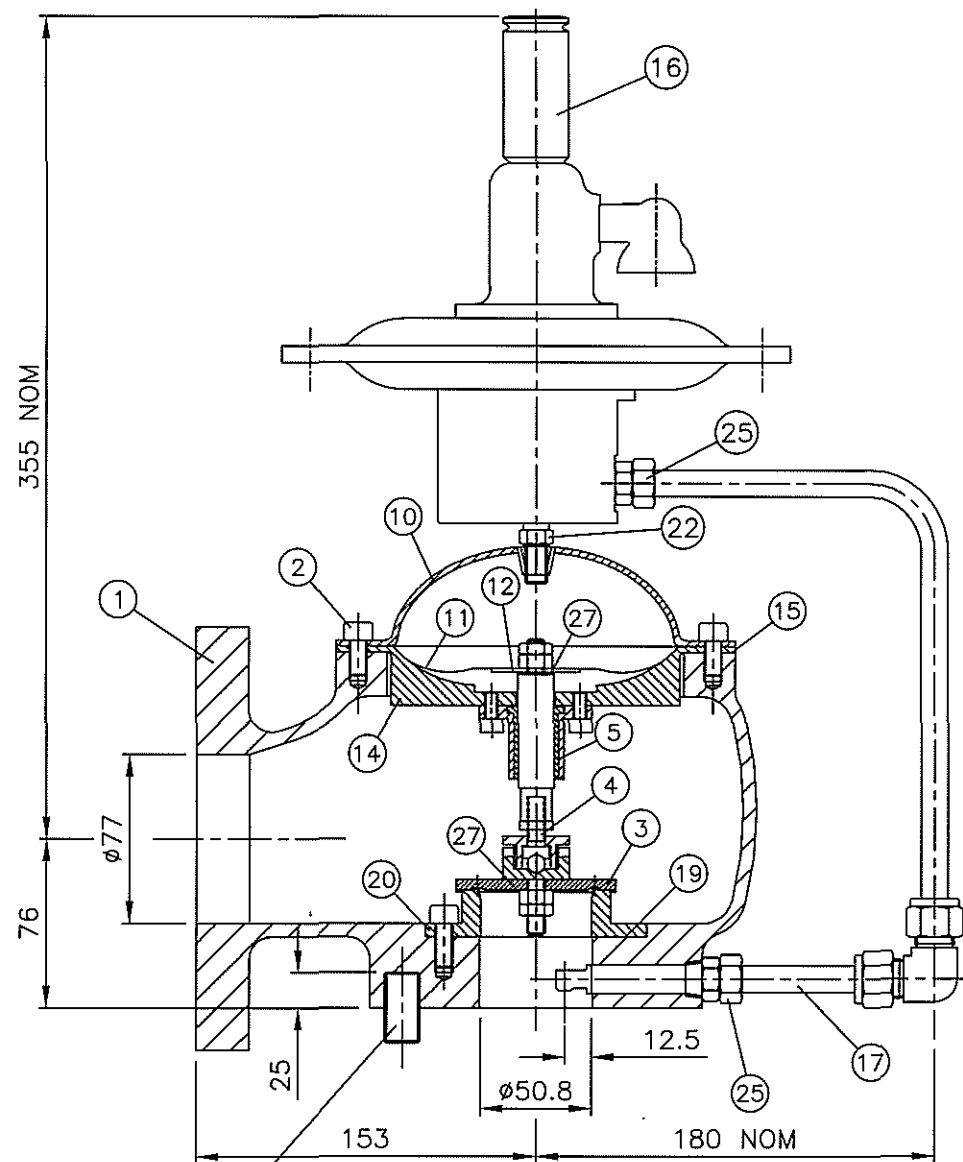
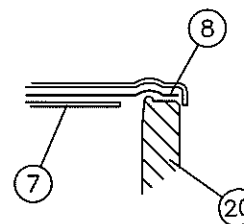




FLANGE STUDS (26)
M16 x 75mm LONG
SUPPLIED WITH NUTS

ITEM	DESCRIPTION	S.S.Spec
1	VALVE BODY	316SS
2	COVER SCREWS	18/8 SS
3	PRESSURE PALLET	316SS
4	PRESSURE PALLET STEM	316SS
5	STEM GUIDE	316SS
6		
7	PALLET SUPPORT DISC	316SS
8	PALLET DIAPHRAGM	PFA
9		
10	DOVE SPINNING	316SS
11	PILOT DIAPHRAGM	PFA
12	PILOT DIAPHRAGM SUPPORT	316SS
13		
14	CLOSURE SPINNING	316SS
15	DOVE SEAL	PTFE
16	PILOT VALVE	316SS
17	INLET SENSING TUBE	316SS
18		
19	SEAT SEAL	PTFE
20	REMOVABLE PRESSURE SEAT	316SS
21		
22	MALE CONNECTOR	316SS
23		
24		
25	MALE CONNECTOR	316SS
26	FLANGE STUD	316SS-A4
27	SEALING WASHERS	PTFE



APPROX WEIGHT
26kg

FLANGE	FACING
ANSI 150	RF

NOTE DIMENSIONS ARE TO $\pm 3\text{mm}$

S436611	PSV 1461B	0.036 MPAG
S436610	PSV 1461A	0.036 MPAG
SERIAL NUMBER	TAG NUMBER	SET PRESSURE

SCALE		DATE
CUSTOMER		
ORDER No.		
OUR REF.		
DRG No.	ISSUE	TITLE
DRAWN BY		
CHECKED		

Pressure/Vacuum Valves

Customer		Item No.
Customer Ref.	Dated	Qty.
	Dated	Tag No PSV1461A / B

V1U

Selection Data	Sizing Data - Gas																																																																				
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API 2000 Formula

Pressure, Out-Breathing $A = \frac{VRo}{12,503 \times (P1p + At) \times Kdp \times Fp \sqrt{\frac{k}{M \times T \times Z \times (k-1) \left[\left(\frac{P2 + At}{P1p + At} \right)^{\frac{2}{k}} - \left(\frac{P2 + At}{P1p + At} \right)^{\frac{k+1}{k}} \right]}}$	Calc. Size " 2 Required area (A) 2.16 cm2 Min. Req'd 20.27 cm2 With GAS capacity of 1293.07 Kg/hr
Vacuum, In-Breathing $A = \frac{VRi}{12,503 \times (P1v + At) \times Kdv \times Fv \sqrt{\frac{k}{M \times T \times Z \times (k-1) \left[\left(\frac{At}{P1v + At} \right)^{\frac{2}{k}} - \left(\frac{At}{P1v + At} \right)^{\frac{k+1}{k}} \right]}}$	Air only hence: T = 273 degK M = 28.97 Z = 1 K = 1.4 Calc. Size " Required area (A) cm2 Min. Req'd cm2 With AIR capacity of Kg/hr

Notes:
Comments
Design Temperature: 155 deg C Operating Pressure: 0.005 MPag Design Pressure: 0.036 MPag

Offered Valve	
Figure number: 910	
Valve type: Pilot - Pressure only/Piped vent	
Inlet Size: 2 inch	Outlet Size: 3 inch
Flange standard: ANSI 150 RF	
Body: SS - SA351 CF8M	
Seat: St St 316L	
Trim (Internals): St St 316L	
Diaphragm: PTFE	
Stainless Steel	
Offered Relief Area: 20.27 cm2	
Capacity - Out:	1293.07 Kg/hr GAS
Capacity - In:	- Kg/hr AIR