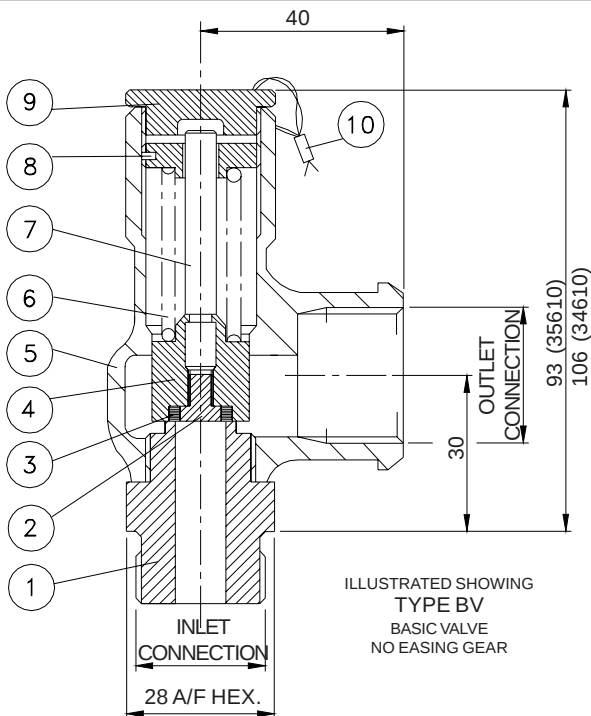
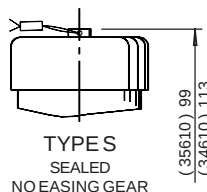




VALVES WITH EASING GEAR
AVAILABLE. REFER TO SEETRU.

ALTERNATIVE TOP FITTING



FOR CRYOGENIC SERVICE

1. DESIGNED FOR THE PROTECTION OF PIPING, EQUIPMENT AND CRYOGENIC STORAGE TANKS AGAINST OVERPRESSURE CAUSED BY THE EXPANSION OF LIQUEFIED GASES.
2. OUTLET PIPEWORK SHOULD BE ARRANGED TO PREVENT THE INGRESS OF MOISTURE WHICH MAY FREEZE AND AFFECT THE CORRECT OPERATION OF THE VALVE. VALVES CAN BE SUPPLIED WITH SUITABLE POSITIONED DRAIN HOLES TO HELP PREVENT THIS OCCURRING.
3. CAN BE SUPPLIED CLEANED DEGREASED AND SEALED TO APPROPRIATE SPECIFICATIONS.

SAFETY

4. IT IS STRONGLY RECOMMENDED THAT ALL OPERATORS OF CRYOGENIC EQUIPMENT FAMILIARISE THEMSELVES FULLY WITH ALL SAFETY ASPECTS OF HANDLING LIQUIDS AND GASES.

PARTS LIST & MATERIAL SPECIFICATION

		34610, 34710, 34110	35610	35710, 35110
1	INLET SEAT	ST.STL. BS EN 10088-3 1.4401 (316) SA-479 S31600		
2	SEAL RETAINER	ST.STL. BS EN 10088-3 1.4401 (316)		
3	TUTCHTITE SEAL	P.T.F.E.		
4	PLUNGER	ST.STL. BS EN 10088-3 1.4401 (316)	BRASS BS EN 12164 CW602N	
5	BODY	ST.STL. BS EN 10283 1.4408 (316) SA-351 CF8M	BRASS BS EN 121645 CW602N	GUNMETAL SB-62 C83600
6	SPRING	ST.STL. BS EN 10270-3 1.4310 (302)		
7	SPINDLE	ST.STL. BS EN 10088-3 1.4057 (431)		
8	ADJUSTER	ST.STL. BS EN 10088-3 1.4401 (316)	BRASS BS EN 12164 CW614N	
9	CAP	ST.STL. BS EN 10088-3 1.4401 (316)	BRASS BS EN 12164 CW614N	
10	WIRE & SEAL	ST.STL. & LEAD		

APPROVALS

Ad-Merkblatt A2: (TÜV GERMANY), Ref- TÜV.SV.03-728.9.5.D/G.α_w.p
Materials meet the requirement of BAM (Germany) for Oxygen Service.
P.E.D. 97/23/EC

Type examination module B, Cert. No. 01 202 111-B-00016

Quality management system module D, Cert. No. EDS 0002011/01

Designed in accordance with BS 6759 & BS EN ISO 4126-1.

Meeting the requirements of the A.S.M.E. Boiler & Pressure Vessel Code section VIII for air/gas.

UV Cert. of Authorisation: 35757

Capacities certified by the National Board of Boiler & Pressure Vessel Inspectors.

TECHNICAL DATA

Relieving pressure	= Set pressure +10% (0.1 Bar.g. below 1.0 Bar.g.)
Reseating pressure	= Set pressure -10% (0.3 Bar.g. below 3.0 Bar.g.)
Maximum set pressure	= 30.76 Bar.g.
Minimum set pressure	= 0.83 Bar.g. (A.S.M.E. 3.0 Bar.g.)
Flow area	= 70.9mm ²
Inlet bore diameter	= 9.5mm
TÜV derated coefficient of discharge α _w	= 0.7 (3.0 to 30.8 Bar.g.), α _w = 0.6 (0.8 to 3.0 Bar.g.)
NB Certified rated slope	= 1.70 scfm/psia
Temperature range	= -196°C to 50°C
Minimum lift	= 2.4mm
Maximum permissible built up back pressure	= 10% of set pressure at or below which flow is not reduced.
Stable operation on flows down to 50% of valve rated capacity.	
FOR FURTHER INFORMATION, INSTALLATION AND OPERATING INSTRUCTIONS, CONVERSION FACTORS ETC. SEE TECHNICAL INFORMATION SECTION.	

SHEET 1 OF 2 SHEETS



SEETRU LIMITED

Distributor in Russia: Monitoring Ventil & Fitting

TELEPHONE +7 (495) 956 2119, 589 6109, 517 6109

www.mvif.ru mail@mvi.ru

10mm Nominal Bore P.T.F.E SEAL
ENCLOSED DISCHARGE SAFETY VALVE FOR
COMPRESSED AIR, GASES & LIQUEFIED GASES.
TYPE 636107

ENCLOSED DISCHARGE
10mm NOMINAL BORE SERIES M/2
P.T.F.E. SEALED
TYPE 34610, 34710, 34110 ST.STL.
TYPE 35610, 35710, 35110 BRASS/ST.STL.

FLOW CHART (P.E.D.)

TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION

SET PRESSURE Bar.g.	0.8	1	2	3	4	5	6	7	8	9	10	15	20	25	30	30.76
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH BS EN 4126, AIR AT 15°C AND 1013 mbar Std. Litres/s	15	17	26	35	52	62	73	83	94	104	115	167	219	272	324	332
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH TÜV, AIR AT 0°C AND 1013 mbar Normal m³/h	54.8	61.2	93	125	183	220	257	294.5	331.7	369	406	592	778	964	1149.6	1178

FLOW CHART (A.S.M.E.)

SET PRESSURE Psig	44	50	60	70	80	90	100	150	200	250	300	350	400	446
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH A.S.M.E AIR AT 60°F AND 14.7 psia/scfm	107	118	137	156	175	193	212	305	399	492	586	679	773	859

* DISCHARGING TO ATMOSPHERE

VALVE TYPE OPTIONS:

34610, 35610 [64610, 65610 TYPE] = TUV, B.S. (P.E.D.)
 34710, 35710 [64710, 65710 TYPE] = A.S.M.E., N.B.
 34110, 35110 [64110, 65110 TYPE] = A.S.M.E., N.B., TUV, B.S. (P.E.D.)

VALVE SELECTION CHART

Standard thread sizes shown, others may be available

INLET CONNECTION	OUTLET CONNECTION	ORDERING CODE	TOP FITTING CODE	
			BV	S
G 1/2 (1/2" BSP PARALLEL)	G 3/4 (3/4" BSP PARALLEL)	34610A 34710A 34110A	0477	1277
R 1/2 (1/2" BSP TAPER)		35610A 35710A 35110A	0487	1287
1/2" NPT			0497	1297

Example: Ordering code **34610A 0477** is ST.STL. construction Basic, with 1/2" BSP parallel inlet connection, 3/4" BSP parallel outlet and wirelocked.



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10mm Nominal Bore P.T.F.E SEAL
 ENCLOSED DISCHARGE SAFETY VALVE FOR
 COMPRESSED AIR, GASES & LIQUEFIED GASES.
 TYPE 636107

SHEET 2 OF 2 SHEETS

ENCLOSED DISCHARGE
 10mm NOMINAL BORE SERIES M/2
 P.T.F.E SEALED
 TYPE 34610, 34710, 34110 ST.STL.
 TYPE 35610, 35710, 35110 BRASS/ST.STL.