



ILLUSTRATED SHOWING
TYPE R
CRIMPEDROTA-LIFT
EASING GEAR

PARTS LIST & MATERIAL SPEIFICATION

1	BODY	BRASS BS EN 12164 CW614N
2	ELASTOMER SEAL	SEE FLOW CHART *
3	PLUNGER	BRASS BS EN 12164 CW614N
4	SPRING	ST.STL BS EN 10270-3 1.4310 (302)
5	ADJUSTER	BRASS BS EN 12164 CW614N
6	CAP	BRASS BS EN 12164 CW614N
7	NAMEPLATE	AL. ALLOY

* DEPENDENT ON SET PRESSURE

APPROVALS

AD 2000-Merkblatt A2: TÜV.SV.**-963.6.0.D/G.0,67.p.
Designed in accordance with BS EN ISO 4126-1.
P.E.D. 2014/68/EU

Type examination module B, Cert. No. 01 202 642-B-10015

Quality management system module D, Cert. No. COV0812369/01

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%
Reseating pressure	= Set pressure -10%
Maximum set pressure	= 36.0 Bar.g
Minimum set pressure	= 2.8 Bar.g
Flow area	= 28.3 mm ²
Inlet bore diameter	= 6mm
Temperature range	= -15°C to 200°C Viton®, -30°C to 110°C Nitrile.
TÜV allotted outflow coefficient α_w	= 0.67
NB Rated discharge coefficient K_d	= 0.748

FOR FURTHER TECHNICAL INFORMATION, CONVERSION FACTORS, INSTALLTION AND OPERATING INSTRUCTIONS ETC.
SEE TECHNICAL INFORMATION SECTION.



SEETRU LIMITED

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6mm Nom. Bore BRASS CONSTRUCTION
DIRECT SPRING LOADED ATMOSPHERIC
DISCHARGE SAFETY VALVE FOR
COMPRESSED AIR OR GASES

SERIES E VALVE
TYPE 81806
TYPE 81706
TYPE 81106

SHT 1 OF 2 SHTS.

FLOW CHART (P.E.D.)

- TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION

- FOR GREATER FLOWS REFER TO 8mm BORE TYPE 81808 DATA SHEET.

SET PRESSURE Bar.g	2.8	4	5	6	7	8	9	10	15	20	25	30	36
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH BS 6759, AIR AT 15°C AND 1013mbar Std.Litres/s	15	20	24	28	32	36	40	44	64	84	104	124	148
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH TÜV, AIR AT 0°C AND 1013mbar Normal m³/h	52.8	69.9	84	98.2	112.4	126.6	140.8	155	225.9	296.9	367.9	438.9	524
SEAL MATERIAL	NITRILE		VITON / NITRILE										

BS CALCULATIONS ARE FOR GUIDENCE ONLY

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

SET PRESSURE Psi.g	41	50	60	70	80	90	100	150	200	250	300	350	400	522
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH A.S.M.E., AIR AT 60°F AND 14.7 psia/scfm	36	42	48	55	62	68	75	108	141	174	207	240	273	355
SEAL MATERIAL	NITRILE		VITON / NITRILE											

VALVE SELECTION CHART

#	INLET COECON	ORDERING CODE	TOP FITTING CODE	DIM'N 'A' A/F HEX (mm)	DIM'N 'B' THREAD LENGTH (mm)
			R		
#	G 1/4 (1/4" BSP PARALLEL)	81806 81706 81106	1213	17	10
#	R 1/4 (1/4" BSP TAPER)		1223	14	12
#	1/4" NPT		1233	14	12
	G 3/8 (3/8" BSP PARALLEL)		1243	20.6	10
	R 3/8 (3/8" BSP TAPER)		1253	17	12.5
	3/8" NPT		1263	18	14.2

VALVE TYPE OPTIONS:

81806 = TUV, B.S. (P.E.D.)
 81706 = A.S.M.E. & N.B.
 81106 = A.S.M.E. & N.B., TUV, B.S. (P.E.D.)

Example: Ordering code 81806 121 3 is Crimped, Rota-lift type construction with 6mm bore, 1/4" BSP Parallel inlet connection and Viton® seals.

Note: This range of products are available below 4.0 Bar.g. with Nitrile seals only.

Max. tightening torque 14Nm.

SHT 2 OF 2 SHTS.



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