

DESCRIPTION

The V series of blowdown valves are specially designed for application on steam boilers, to remove sludge sediments which naturally settle on the bottom of the boiler. These intermittent valves operate manually or automatically with timed control. Available with diaphragm actuator and/or manual operation lever.

MAIN FEATURES

- High quality hardened valve seat and plug.
- Manual or automatic intermittent timed control.
- Lockable in open position if supplied with manual operation lever.
- Practical foot operated lever.
- Maintenance free stem sealing.
- Tool-free quick exchangeable clamped-in seats, allowing fast and easy inline maintenance procedures.

OPTIONS AND ACCESSORIES:

- Air filter regulator.
- Solenoid valve with timer control unit.
- Blowdown controllers.
- Mechanical limit switches.
- Inductive limit switch box.
- Water actuated version.

USE: Intermittent blowdown of steam boilers.

AVAILABLE MODELS:

- V /2S – carbon steel.
- V /2i – stainless steel.

SIZES: 3/4" to 2" – DN 20 to DN 50.

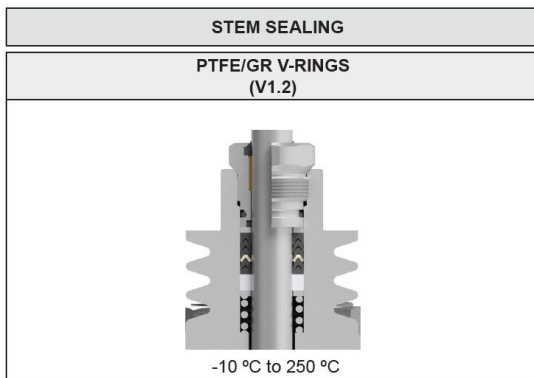
CONNECTIONS: Flanged EN 1092-1 PN 40.
Flanged ASME B16.5 Class 300.



CE MARKING – GROUP 2 (PED – European Directive)	
PN 40	Category
3/4" to 1" – DN 20 to 32	SEP
1 1/2" to 2" – DN 40 to 50	1 (CE Marked)

BODY LIMITING CONDITIONS					
V /2S				V /2i	
FLANGED PN 40 *		FLANGED CLASS 300 **		FLANGED PN 40 *	
ALLOWABLE PRESSURE	RELATED TEMPERATURE	ALLOWABLE PRESSURE	RELATED TEMPERATURE	ALLOWABLE PRESSURE	RELATED TEMPERATURE
40 bar	-10 °C/50 °C	50 bar	-10/50 °C	40 bar	-10 °C/50 °C
33,3 bar	200 °C	43,9 bar	200 °C	33,7 bar	200 °C
30,4 bar	250 °C	36,9 bar	350 °C	31,8 bar	250 °C
27,6 bar	300 °C	34,6 bar	400 °C	29,7 bar	300 °C
23,8 bar	400 °C	–	–	27,4 bar	400 °C

* Rating according to EN 1092-1:2018; ** Rating according to EN 1759-1:2004.



FLOW RATE COEFFICIENTS (m³/h)					
	SIZES				
	3/4" – DN 20	1" – DN 25	DN 32	1 1/2" – DN 40	2" – DN 50
Kvs	6,3	6,3	6,3	16	16

For conversion Kvs = Cv (US) x 0,865.

ACTUATOR DATA	
DIAPHRAGM AREA	100 cm²
SPRING RANGE	2 to 3,2 bar
STROKE	12 mm
AMBIENT TEMPERATURE	-20 °C to 70 °C

