

SAFETY SHUT-OFF VALVES

Series SVA ...

slow opening

This class A safety shut-off valve is suitable for Industrial Environments, and is maintenance free. DVGW approved to EN 161 with **CE** Product-ID-Number. The EMC for Electromagnetic Compatibility has also been certified. This single seat, two-way valve is ideal for controlling 1st, 2nd and 3rd Family Gases, as well as Air, and is particularly suited for use with Automatic Gas Burners of all types.

The DC rectified coil is quiet in operation, and can thus be used in Industrial/ Commercial and Residential applications.



TECHNICAL FEATURES

Valve body	: die-cast aluminium	Ambient temperature	: -10 up to +60 °C
Trim	: stainless steel	Standard supply voltage:	230V A.C.
Seat disc	: Buna "N"	On request	: 110V A.C. 24V A.C.
Pipe connections	: Rp 1/2 up to Rp 1 1/2 ISO 7-1	Frequency	: 50/60Hz
Orifice diameter	: 17 to 32 mm	Rating	: 27W - 33W
Inlet pressure	: up to 500 mbar	Cable gland	: 2 x Pg 11
Closing time	: < 1 second	Enclosure	: IP 54 - IEC 529
Adjustable opening time	: 5 s up to 20 s ref. to 80% of Vmax.	Duty cycle	: continuous
Adjustable initial lift	: 0..60% of Vmax.		

FEATURES

- Class A
- Automatic shut-off valves
- Normally closed operation
- Installation in horizontal position
- D.C. rectified coil for quiet operation
- Optional extra's:
 - max. flow adjustment
 - plug connector according to DIN 43 650 Pg 11
 - pressures higher than 500 mbar (see notes at page 2)
 - pressure test points at inlet/outlet

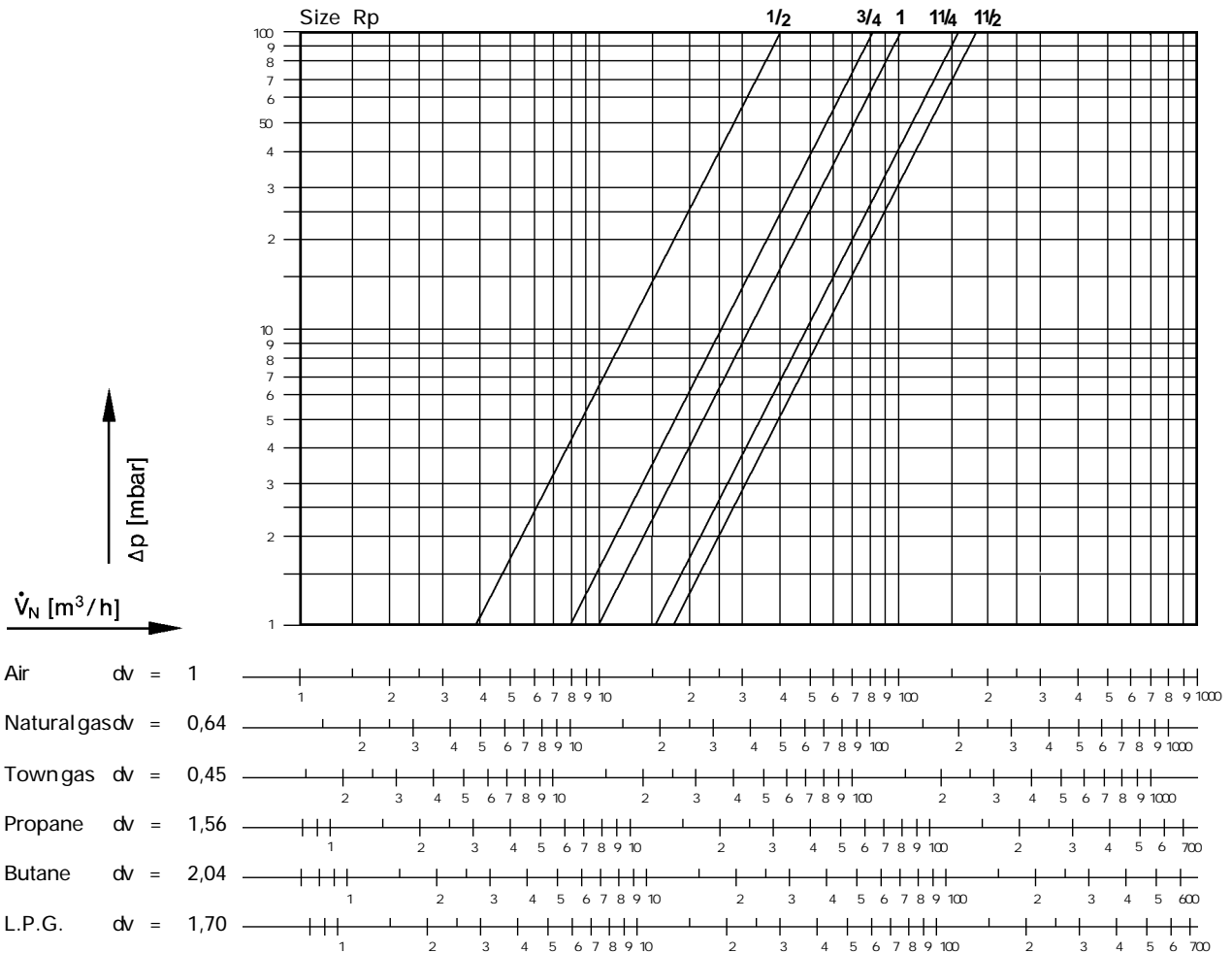
Size		Max. operating pressure (mbar)	Rating (W)	Coil type	MODEL 230V-50/60Hz	
Pipe (Rp)	Orifice Ø mm				Without max. flow adjustment	With max. flow adjustment
1/2	17	500	27	T02	SVA17C15T02L	SVA17C15T02LP
3/4	20	360	27	T02	SVA20C20T02L	SVA20C20T02LP
1	25	360	27	T02	SVA25C25T02L	SVA25C25T02LP
1 1/4	32	200	33	T03	SVA32C32T03L	SVA32C32T03LP
1 1/2	32	200	33	T03	SVA32C40T03L	SVA32C40T03LP

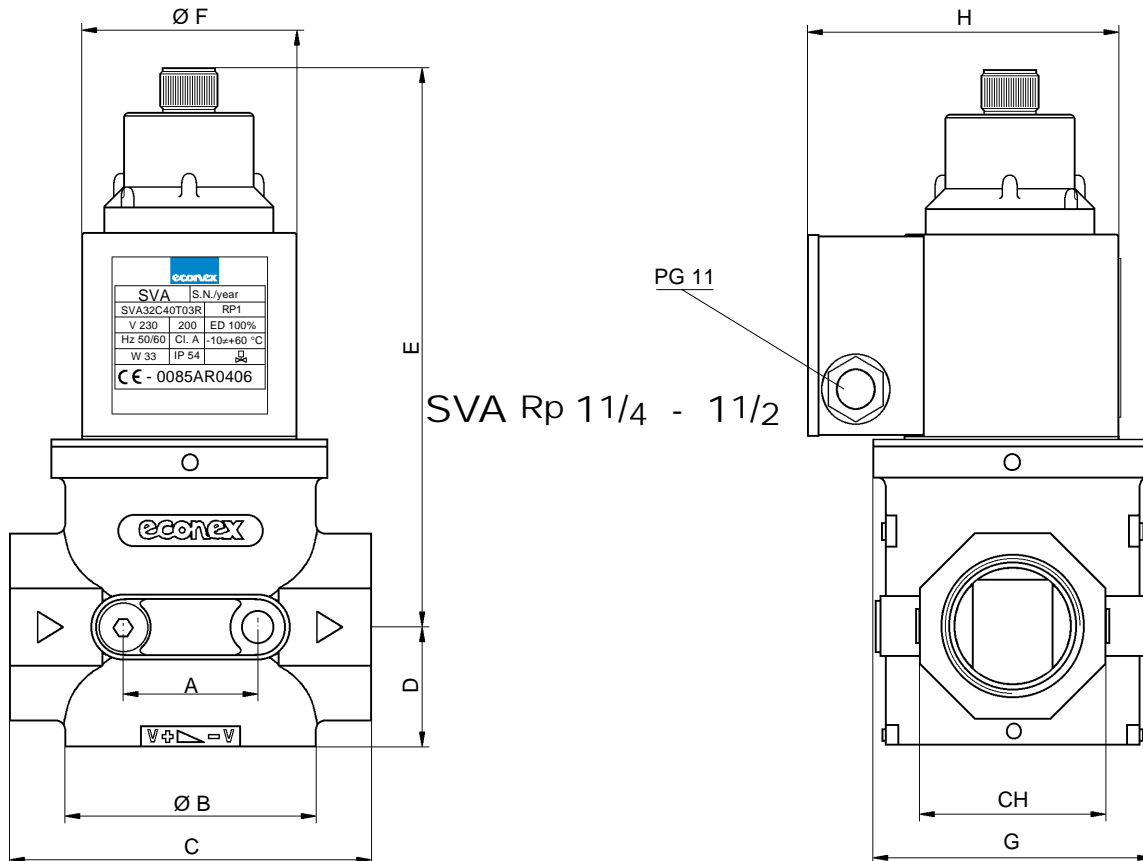
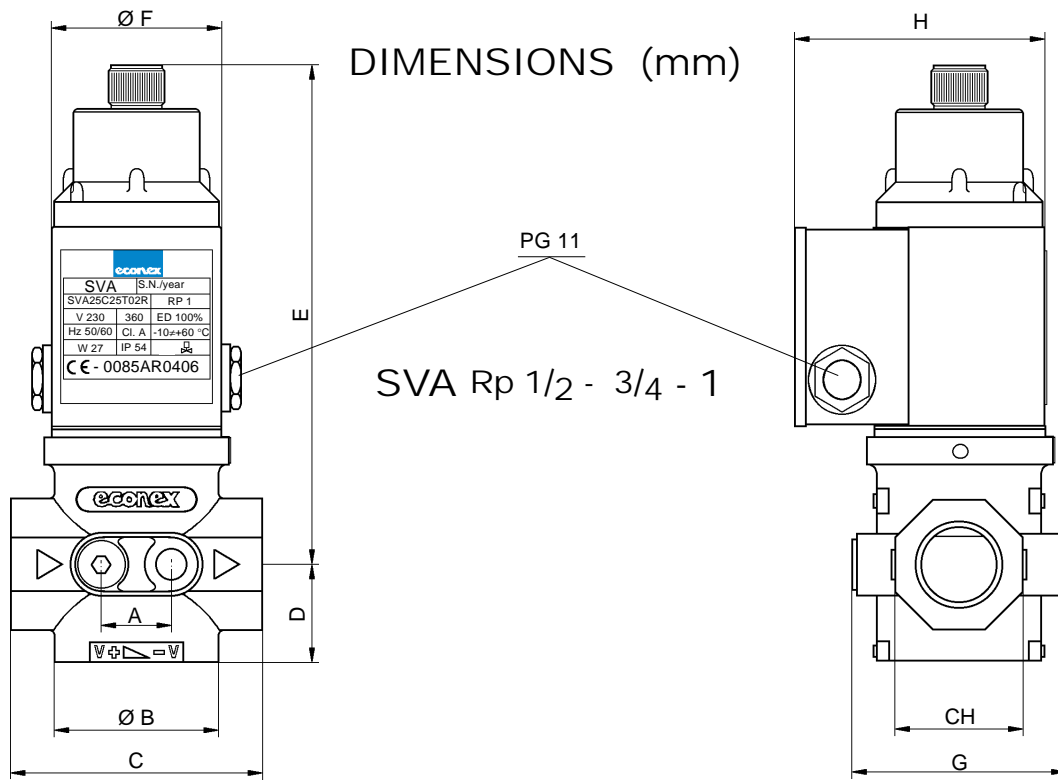
Notes : In the model code replace the sixth position with "B" for 110V A.C.- 50/60Hz and with "A" for 24V A.C.- 50/60Hz.

Available on request:

- Valves Rp 1/2 for P.max. = 700mbar with coil T03
- Valves Rp 3/4 for P.max. = 650mbar with coil T03
- Valves Rp 1 for P.max. = 600mbar with coil T03

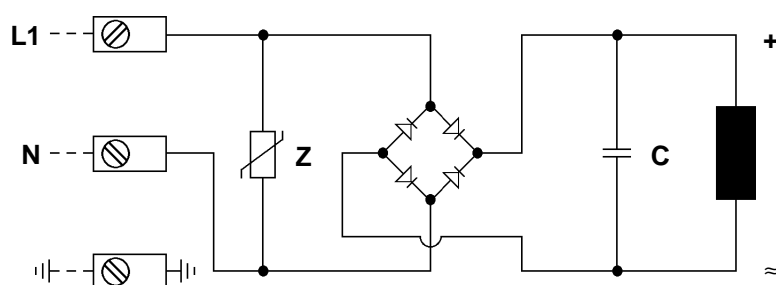
FLOW CHART





Model 230V-50/60Hz	SIZE		DIMENSIONS									Weight (kg)
	Pipe (Rp)	Orifice Ø mm	A	B	C	D	E	F	G	H	CH	
SVA17C15T02L...LP	1/2	17	25	58	90	34	178	61	80	90	46	2,35
SVA20C20T02L...LP	3/4	20	25	58	90	34	178	61	80	90	46	2,30
SVA25C25T02L...LP	1	25	25	58	90	34	178	61	80	90	46	2,25
SVA32C32T03L...LP	1 1/4	32	48	89	127	42	196	76	97	111	65	3,45
SVA32C40T03L...LP	1 1/2	32	48	89	127	42	196	76	97	111	65	3,40

WIRING DIAGRAM



WARNING


PLEASE READ THE OPERATING INSTRUCTIONS BEFORE USE! THIS EQUIPMENT MUST BE INSTALLED ACCORDING TO THE PRESCRIPTIONS IN FORCE!

INSTALLATION AND OPERATING INSTRUCTIONS





1 Installation

- 1.1 Make sure that all operating data indicated on the safety shut-off valve label correspond to those of the system.
- 1.2 Remove the protection plugs from the safety shut-off valve.
- 1.3 Before installing the safety shut-off valve make sure that the pipeline is free from impurities and perfectly aligned with the valve body. The pipeline must be vibration-free.
- 1.4 The sealing material must be applied to the external thread of the pipeline only and not to the internal thread of the safety shut-off valve.
- 1.5 The flow direction indicated by the arrow on the valve body must be respected.
- 1.6 It is recommended that the safety shut-off valve is installed horizontally, with the coil in the vertical position.
- 1.7 When installing the safety shut-off valve in pipework **do not use the coil as a lever**, but use the correct wrench.



2 Flow adjustment

- 2.1 For flow reduction insert a 6 mm Allen Key into the bore on the valve bottom and turn anti-clockwise .
- 2.2 Safety shut-off valves are supplied ex works, set at maximum flow.

3 Initial lift adjustment

- 3.1 Unscrew the knurled tap on the upper part of the valve.
- 3.2 Increase: turn the 6 mm brass square  adjuster located under the knurled tap anti-clockwise .
- 3.3 Decrease: turn the 6 mm brass square  adjuster located under the knurled tap clockwise .
- 3.4 Safety shut-off valves are supplied ex works adjusted at minimum initial lift.

4 Opening time adjustment

- 4.1 Unscrew the knurled tap on the upper part of the valve.
- 4.2 Increase of opening time: turn the screw located inside the brass square adjuster clockwise .
- 4.3 Decrease of opening time: turn the screw located inside the brass square adjuster anti-clockwise .
- 4.4 Safety shut-off valves are supplied ex works adjusted at minimum opening time.

All the reported data are subject to be changed without notice