01/07/2026
VPPCV21SPD612

Electric Remote Controlled Shut-off E3113-12 / E4113-12

The automatic valve opens or closes based on the pulses sent to a solenoid included in the circuit, regardless of the upstream pressure fluctuations.

The needle valve, positioned on the chamber, will allow the regulation of the circuit flow in order to avoid sudden closures and water hammer phenomena.

Equipped with a visual position indicator and made entirely of stainless steel and ductile iron coated with epoxy paint using the FBT (fluid bed technology) technique, the valve is designed to reduce pressure drops, vibrations and damage related to the cavitation phenomenon.

Flange drilling according to EN 1092/2, different on request.

Certification and testing according to EN 1074.

		PN 10		PN 16	
Version	**DN (mm)**	**Mass (kg)**	**References**	**Mass (kg)**	**References**
E3113-12	80	31.00	E33A8016P12	31.00	E33A8016P12
E3113-12	100	37.00	E33B1016P12	37.00	E33B1016P12
E3113-12	125	57.00	E33B1216P12	57.00	E33B1216P12
E3113-12	150	64.00	E33B1516P12	64.00	E33B1516P12
E3113-12	200	110.00	E33B2010P12	110.00	E33B2016P12
E3113-12	250	188.00	E33B2510P12	188.00	E33B2516P12
E3113-12	300	305.00	E33B3010P12	305.00	E33B3016P12
E3113-12	400	516.00	E33B4010P12	516.00	E33B4016P12
E3113-12	500	862.00	E33B5010P12	862.00	E33B5016P12
E3113-12	600	1002.00	E33B6010P12	1002.00	E33B6016P12

Saint-Gobain PAM Canalisation
21, avenue Camille Cavallier - BP 129 | 54705 PONT-A-MOUSSON CEDEX | FRANCE
Tel : (33) 03 83 80 67 89 | E-mail : Pamline@saint-gobain.com | pamline.fr

		PN 10		PN 16	
Version	**DN (mm)**	**Mass (kg)**	**References**	**Mass (kg)**	**References**
E4113-12	40/50	25.00	E43A5016P12	25.00	E43A5016P12
E4113-12	65	27.00	E43A6516P12	27.00	E43A6516P12
E4113-12	80	31.00	E43A8016P12	31.00	E43A8016P12
E4113-12	100	49.00	E43B1016P12	49.00	E43B1016P12
E4113-12	150	97.00	E43B1516P12	97.00	E43B1516P12
E4113-12	200	154.00	E43B2010P12	154.00	E43B2016P12
E4113-12	250	265.00	E43B2510P12	265.00	E43B2516P12
E4113-12	300	441.00	E43B3010P12	441.00	E43B3016P12
E4113-12	400	784.00	E43B4010P12	784.00	E43B4016P12
E4113-12	600	2250.00	E43B6010P12	2250.00	E43B6016P12

Applications

- On supply pipelines and in aqueduct networks for stop there emergency supply.
- For the check of the level in combination with electronic floating probes.
- As a safety system in case of pipeline failure.
- For tank drainage and in backwash filtration systems.

Accessories

- Open-close indicator.
- Manometers.
- Self-cleaning high capacity filter.
- Limiter of opening manual

Directions for use

- Modulation systems ensure accurate regulation even with low flow rates and high pressure differentials.
- In case of low flow rates the anti-cavitation system ensures high resistance to cavitation and accurate regulation.

Optional configurations

- Valve with control solenoid and anti-backflow system.
- Valve with control solenoid and quick relief pilot.

Operating conditions

- Fluid: treated water.
- Minimum pressure: 0,7 bar.

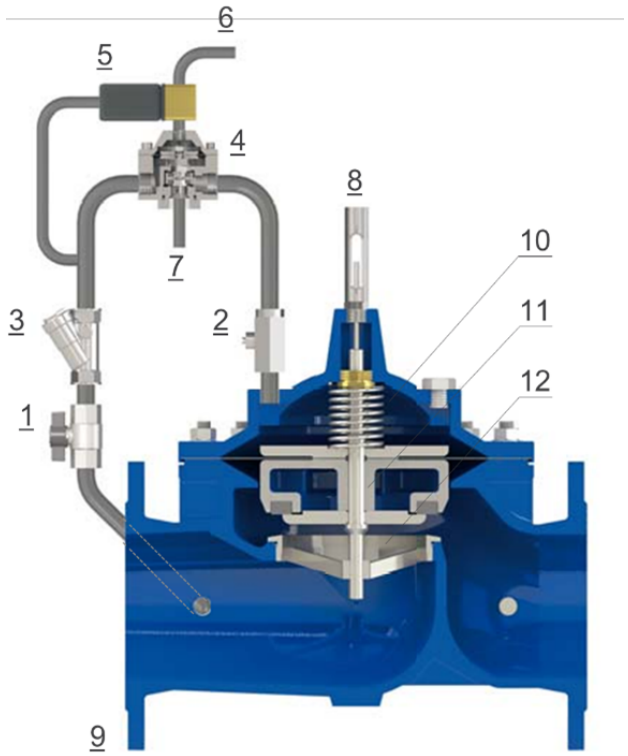
Saint-Gobain PAM Canalisation
21, avenue Camille Cavallier - BP 129 | 54705 PONT-A-MOUSSON CEDEX | FRANCE
Tel : (33) 03 83 80 67 89 | E-mail : Pamline@saint-gobain.com | pamline.fr

- Maximum pressure: 16 bar. Higher on request.
- Maximum temperature: 70 °C.

Solenoid valve data

- Voltage: 24 V DC, 24 V/50 Hz, 230 V/50 Hz. Other voltage on request.
- Consumption electrical: inrush AC (VA) 24, hold AC (VA) 17 (8 W), DC hot/ cold coil 8/9 W.

How it works



The valves are activated from a solenoid (5) connected to a control unit or remote control system.

The valve can be set as normally open or closed when the solenoid is not energized.

The accelerator of flow (4) are present in the models with diameter 150 mm or more. In case of normally open valve, when the solenoid (5) is energized, there pressure of mountain he comes addressed into the valve chamber (10), directly or through the flow accelerator (4). The shutter (11), consequently, descends onto the seat (12) causing the flow to be interrupted. When the impulses to the solenoid cease, the pressure is released from the room (10), in way from to do to go back up the shutter and open the valve.

The flow in and out of the main chamber (10) is controlled by the needle valve (2) which prevents possible

Saint-Gobain PAM Canalisation
21, avenue Camille Cavallier - BP 129 | 54705 PONT-A-MOUSSON CEDEX | FRANCE
Tel : (33) 03 83 80 67 89 | E-mail : Pamline@saint-gobain.com | pamline.fr

water hammer during closing. A filter (3) also protects the solenoid and other components of the circuit from impurities and debris.

Installation diagram

The image shows the installation diagram of the hydraulic valve in the case of using an electronic float probe (2) to regulate the level of a tank.

The solenoid must be connected to a digital programmer or other control devices. Shut-off devices (1) and bypasses to allow maintenance and a filter (3) are recommended.

The installation of combined anti-water hammer vents upstream of the valve is also recommended.

Saint-Gobain PAM Canalisation
21, avenue Camille Cavallier - BP 129 | 54705 PONT-A-MOUSSON CEDEX | FRANCE
Tel : (33) 03 83 80 67 89 | E-mail : Pamline@saint-gobain.com | pamline.fr