

CONTROL VALVE

Pressure Management Valve – Type III

REF **EFC-372** ISSUED 11 Jun 2026

SPECIFICATIONS

Size	DN50–DN800
Pressure	PN10–PN25
End connection	flanged (EN 1092-2) / flanged (EN 1092-2) / flanged (EN 1092-2)

STANDARDS

Design	EN 1074-5, BS EN 1074-5, ISO 5208, BS EN 12266-1, BS EN 558-1
--------	--

APPROVALS & CERTIFICATIONS

- WRAS
- ISO 9001

APPLICATIONS

- Smart network pressure management
- Advanced leakage reduction
- SCADA-integrated pressure control
- District metered areas



MATERIALS

body	Ductile Iron GJS 500-7	accessories	AISI 304 Stainless Steel
------	-------------------------------	-------------	---------------------------------

FEATURES

- The Type III pressure management valve combines time-based, flow-modulated and remotely adjustable pressure control in a single advanced pilot assembly
- Three control modes can be blended to optimise pressure according to the network's demand profile
- Compatible with SCADA set-point override via a 4–20mA input, allowing the control centre to adjust the pressure set point in real time in response to events or modelling outputs

PRESSURE-TEMPERATURE RATING

CLASS	TEMPERATURE	MAX PRESSURE
PN10	-10°C	10 bar
PN16	-10°C	16 bar
PN25	-10°C	25 bar
PN10	80°C	10 bar
PN16	80°C	16 bar
PN25	80°C	25 bar

CONTROL VALVE

Pressure Management Valve – Type III

SECTION Technical drawing 1 of 12 REF EFC-372



CONTROL VALVE

Pressure Management Valve – Type III

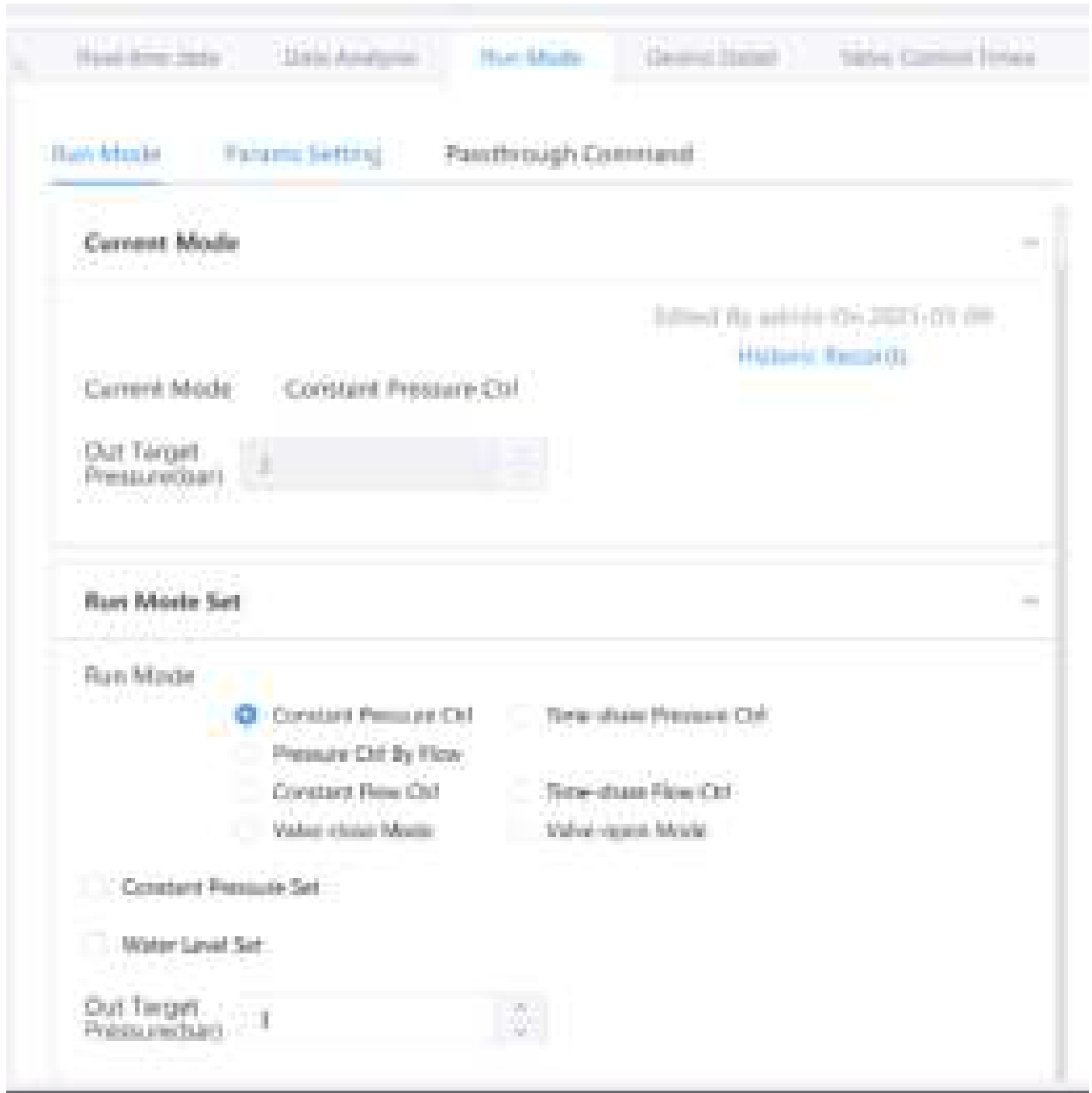
SECTION Technical drawing 2 of 12 REF EFC-372



CONTROL VALVE

Pressure Management Valve – Type III

SECTION Technical drawing 3 of 12 REF EFC-372



CONTROL VALVE

Pressure Management Valve – Type III

SECTION Technical drawing 4 of 12 REF EFC-372

Monday Tuesday Wednesday Thursday Friday Saturday

Copy To Tuesday

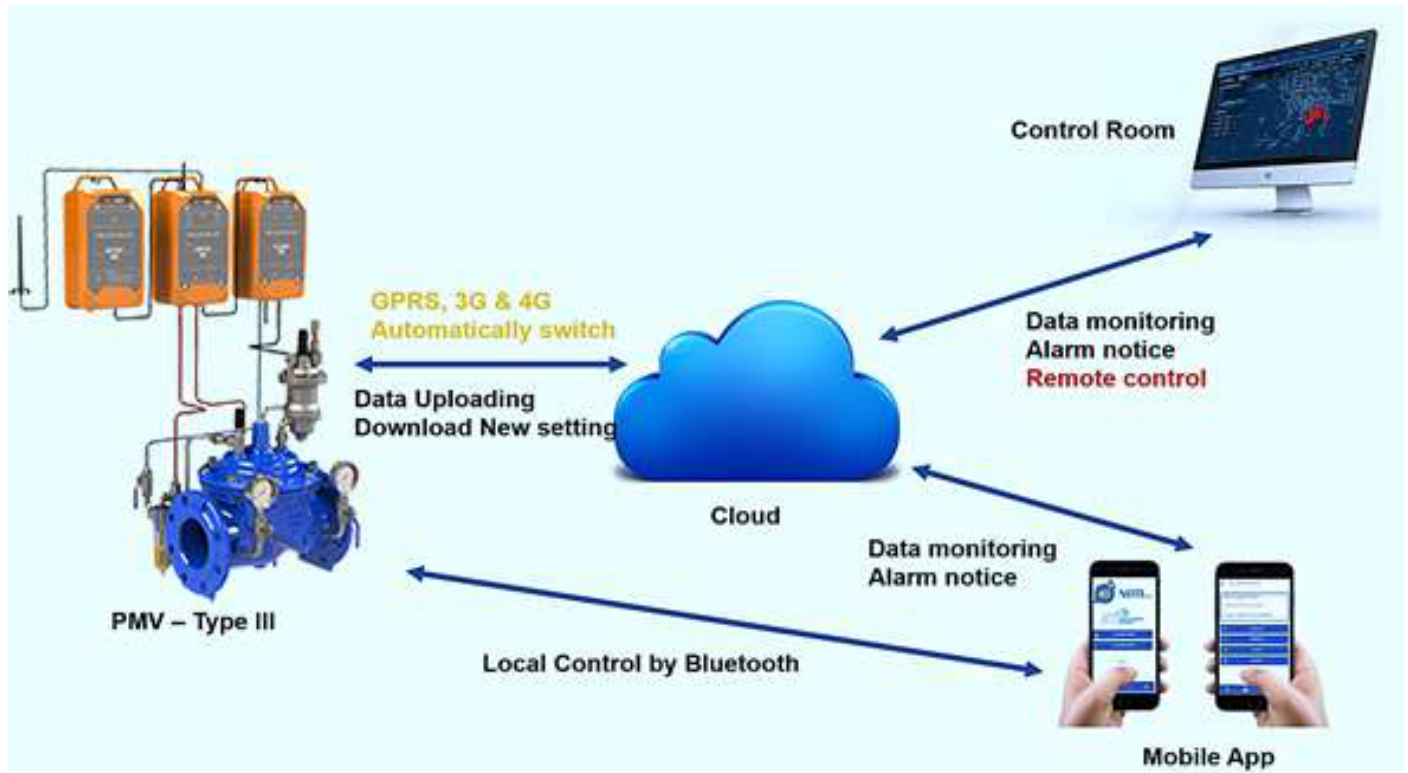
Period	Start Time	End Time	Pressure (bar)
Period1	00:00	06:00	22
Period2	06:00	14:00	28
Period3	14:00	16:00	24
Period4	16:00	22:00	28
Period5	22:00	00:00	23

Add Period Up To 12 periods

CONTROL VALVE

Pressure Management Valve – Type III

SECTION Technical drawing 5 of 12 REF EFC-372



CONTROL VALVE

Pressure Management Valve – Type III

SECTION Technical drawing 6 of 12 REF EFC-372

Controller Specification		
Input/Output	Pulse input	Input pulse for flow meter reading
	Analog input	Build in pressure sensor, 0-10 bar or 0-16 bar, Accuracy $\pm 0.5\%$
		2 extra analog 4-20mA input for water level sensor or flow meter. (Customized)
	Output	2 integrated solenoid valves
2 of latch solenoid valves(extra device, not integrated)		
Logging	Data Logger	Record 200,000 data (looping record)
	Sampleing rate	5-1440 mins based on request
	Alarm	Min / Max - flow / pressure setting
	Clock	Build in RTC
Communication	Communication	4G/3G/GSM/GPRS/EDGE/WCDMA/TD-SCDMA/LTE-FDD/LTE-TDD
	Bluetooth	Using mobile APP to connect to device for inquiry and change setting
Physical	Case	Aluminum
	Working Temperature	-15 ~ 55°C
	Water Proof	IP68
	Electricity	Lithium battery - 5 years under specific working condition

CONTROL VALVE

Pressure Management Valve – Type III

SECTION Technical drawing 8 of 12 REF EFC-372

NO.	Part Name	Material
1	Main Valve	GJS 500-7
2	Needle Valve	SUS304
3	Ball Valve	SUS304
4	Strainer	SUS304
5	Hydraulic Control Pilot	SUS304
6	Solenoid Control	Commercial
7	Data Logger	Commercial
8	Battery Pack	Commercial
T	Tube	SUS304

CONTROL VALVE

Pressure Management Valve – Type III

SECTION Technical drawing 9 of 12 REF EFC-372



CONTROL VALVE

Pressure Management Valve – Type III

SECTION Technical drawing 10 of 12 REF EFC-372



CONTROL VALVE

Pressure Management Valve – Type III

SECTION Technical drawing 11 of 12 REF EFC-372



CONTROL VALVE

Pressure Management Valve – Type III

SECTION Technical drawing 12 of 12 REF EFC-372

