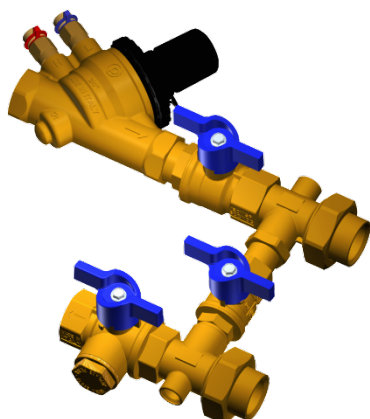




DESCRIPTION

XT1303

Prefabricated Commissioning Solution with 130 mm flushing bypass, **equal percentage PICV** and **Filterball®** shut off valve with integrated strainer.

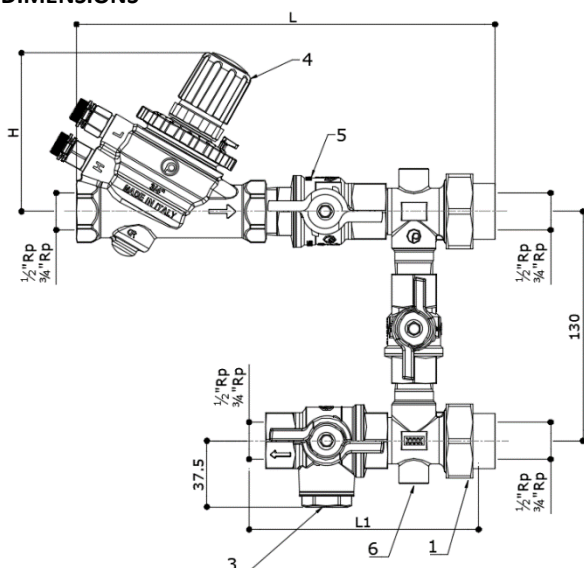
The kit is ready to be install and provides with all components required for commissioning and operation of FCU.

100% factory tested against leakage.

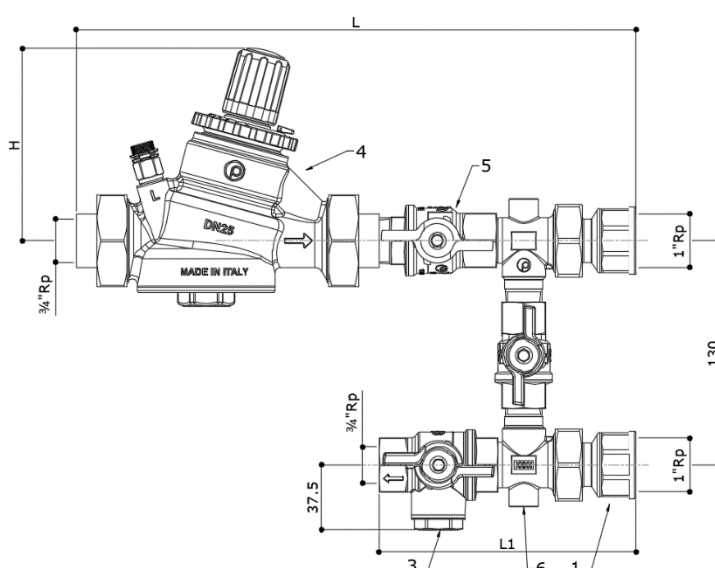
Maintainable **PICV** with externally adjustable presetting and test point for commissioning and system optimization.

Filterball valve with blowout proof stem, triple sealing technology and adjustable packing gland.

DIMENSIONS



Kit	L	L1	H
XT1303 - 1/2" - 150 l/h	246.5	158	90
XT1303 - 1/2" - 600 l/h	246.5	158	90
XT1303 - 1/2" - 780 l/h	246.5	158	90
XT1303 - 3/4" - 1000 l/h	237.5	130	90
XT1303 - 3/4" - 1500 l/h	237.5	130	90



Kit	L	L1	H
XT1303 - 1" x 3/4" - 2200 l/h	325	149	111.5
XT1303 - 1" x 3/4" - 2700 l/h	325	149	111.5
XT1303 - 1" x 3/4" - 3000 l/h	325	149	111.5

Dimensions in mm

MATERIAL LIST

#	Part number	QTY	Material
1	B90CIL 1/2" or 3/4"	2	CuZn40Pb2 CW617N
2	52 1/2"	1	CuZn40Pb2 CW17N
3	52F 3/4"	1	CuZn36Pb2As CW602N NDA
4	91VL 1/2" - 150 l/h 91L 1/2" - 600 l/h 91H 1/2" - 780 l/h 91L 3/4" - 1000 l/h 91H 3/4" - 1500 l/h 93L 3/4" - 2200 l/h 93H 1" - 2700 l/h 93H 1 1/4" - 3000 l/h	1	CuZn36Pb2As CW602N NDA
5	52/1 1/2" or 3/4"	1	CuZn40Pb2 CW17N
6	1020/1	2	CuZn40Pb2 CW17N

Please refers to dedicated technical specifications for further information and maintenance.

General XT technical submittal is also available for further information about XT range.

TECHNICAL FEATURES

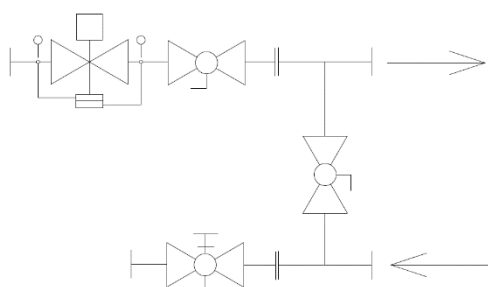
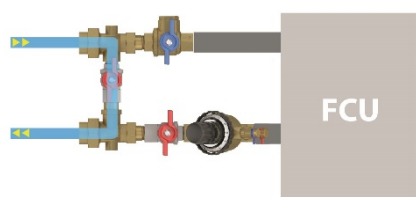
Centre to centre [mm]	Connections	Flow range		PICV min ΔP	Assembly min ΔP	Kv by-pass	Filtering capacity
		Min [l/h]	Max [l/h]	[kPa]	[kPa]		μm
130	½" F union x ½" F	15	150	20	25	6.5	700
		60	600	25	35		
		78	780	35	35		
	¾" F union x ¾" F	100	1000	30	45		
		450	1500	35	50		
	1" F union x ¾"	220	2200	25	40		
		270	2700	30	45		
		300	3000	35	60		

DATA

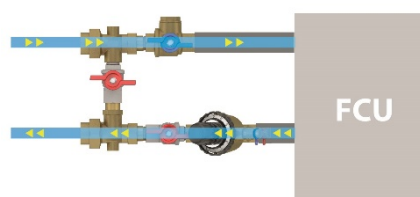
Feature	
Pressure rating	PN25 (PN16 with flexible hoses)
Flow rate range	15 – 1500 l/h dependent on valve selection
Working temperature range [^]	-10 - +100° C
Working differential pressure range	25 – 600kPa minimum depends on valve and setting
Flow control accuracy (linearity and hysteresis)	±5% till 1 bar DP, ±10% over 1 bar DP at 100% flow
Control valve characteristic	Equal percentage
Control valve leakage rate to IEC 60534-4	Class IV
Thread types	BSP
Medium	Water or Water-Glycol 30%

[^]no frost and no steam. Under 0°C, glycol must be added. See temperature limits of flexible hoses and actuators (dedicated technical specifications).

Water quality must comply requirements mentioned in PICV technical specification.

SCHEMATIC

OPERATIONS


Flushing mode



Operating mode

ACTUATORS

Type	Part number	Stroke	Adaptor	Valve
24 V, 0-10 V prop., feedback	VA7483	6.3 mm*	0A7010 (91) / 0A748X (93)	91 and 93
24 V, 0-10 V prop., feedback, fail safe	VA7484	6.3 mm*	0A7010 (91) / 0A748X (93)	91 and 93
24 V, 0-10 V prop., feedback	VM000	6.5 mm*	76TE (included)	91 and 93
24 V, 0-10 V prop., feedback, fail safe	VM060	6.5 mm*	76TE (included)	91 and 93
24 V, 3 Point Floating	VA7481	3.2 mm	0A7010	91
		6.3 mm	0A748X	93
230 V, 3 Point Floating	VA7481	3.2 mm	0A7010	91
		6.3 mm	0A748X	93
24 V, 0-10 V Proportional Thermic	A544P3	4 mm	VA64 (included)	91
24 V, ON-OFF PWM Thermic	A544O2 or A544O4	4 mm	VA64 (included)	91
230 V, ON-OFF PWM Thermic	A542O2 or A542O4	4 mm	VA64 (included)	91
24 V, 0-10 V Proportional Thermic	A564P3	6 mm	VA64 (included)	93
24 V, ON-OFF PWM Thermic	A564O2	6 mm	VA64 (included)	93
230 V, ON-OFF PWM Thermic	A562O2	6 mm	VA64 (included)	93



VA7481, VA7483 and VA7484



A54/A56 series

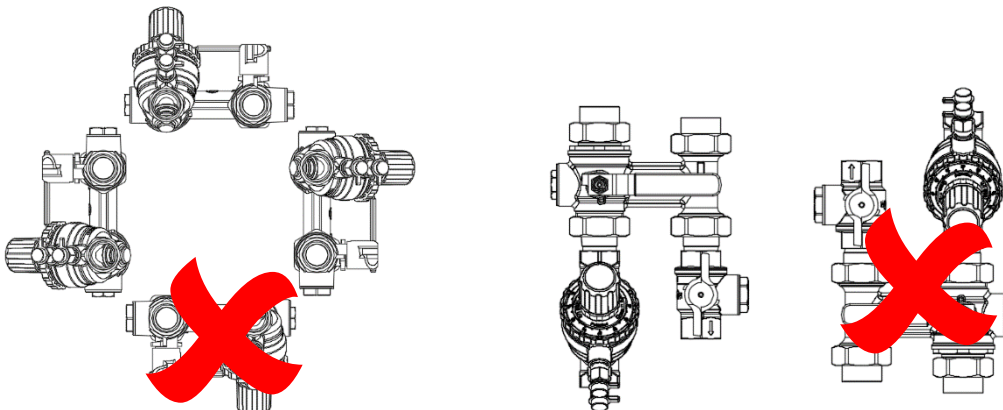


VM series

*Stroke detection system

INSTALLATION

The PICV can be installed in any position between vertical and horizontal. Upside down installation of the PICV must be avoided for electrical safety reasons.



Pictures shown are for illustration only.