

EVDBPX Detachable Bypass Valve (DBP)

For flushing of secondary circuits on a heat network (insulation optional)

Overview

The Detachable Bypass Valve (DBP) is a compact multifunction valve arrangement, designed to provide isolation, bypass and measuring points as required. These valves are typically fitted prior to a heating or cooling interface unit on a heat network. Ball valves are required after the bypass to ensure flow can be isolated to the interface unit, so that full bypass will take place during flushing.

Features and Benefits

- Full bore for maximum flow rate with lower pressure drops
- PN16 pressure rated
- Heavy pattern brass valves with stainless steel bypass pipe for quality
- Supplied with binder test points and bypass pipe as standard, with optional insulation shells



Technical Specification

Specification		
Medium	Heating/cooling, glycol	
Maximum glycol concentration	30%	
Maximum working pressure	PN16	
Working temperature range	5 – 95°C	
Installation	Vertical or horizontal	
Heat network side connections	¾" M	
Interface unit connections	¾" F	
Insulation Specification	Material	PE
	Density	30 kg/m³
	Thermal conductivity at 10°C	W/mK 0.0320
	Thermal conductivity at 40°C	W/mK 0.0404
Fire resistance		DIN75200 mm/min < 100

Product Codes

Product Code	Insulated	Pipe Spacing	Configuration Weight (kg)		
			Bypass	Test	Normal
EVDBPX-050	No	50mm	0.880	0.870	0.730
EVDBPXY050	Yes	50mm	0.895	0.885	0.745
EVDBPX-XXX	No	XXX mm	(will depend on XXXmm)		
EVDBPXYXXX	Yes	XXX mm			

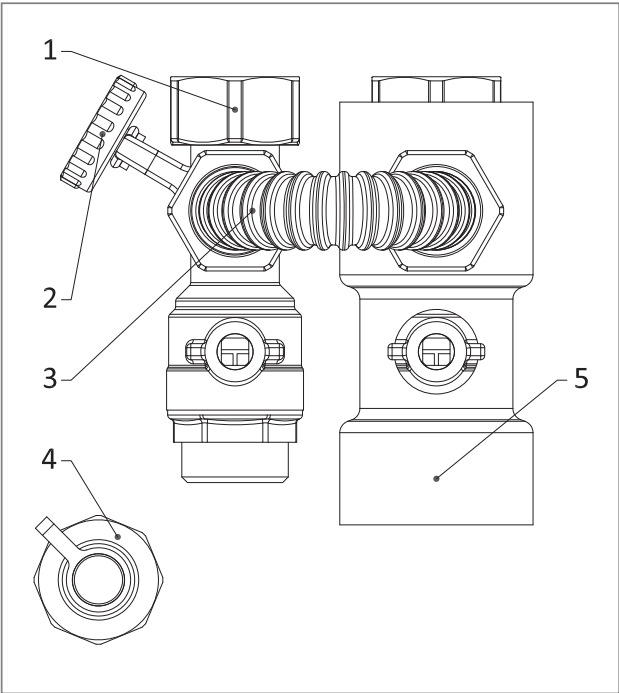


Detachable bypass valves fitted on EDGE2-T HIU

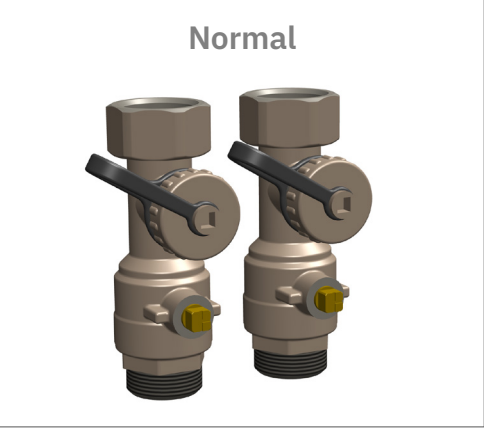
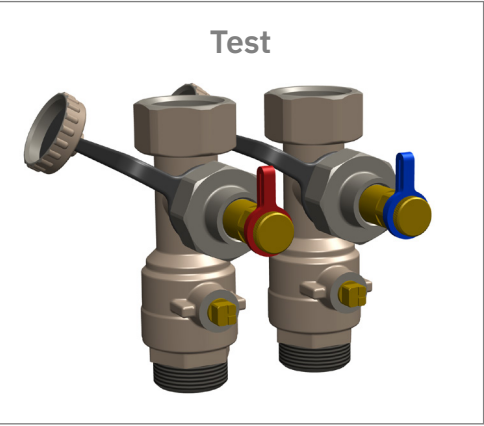
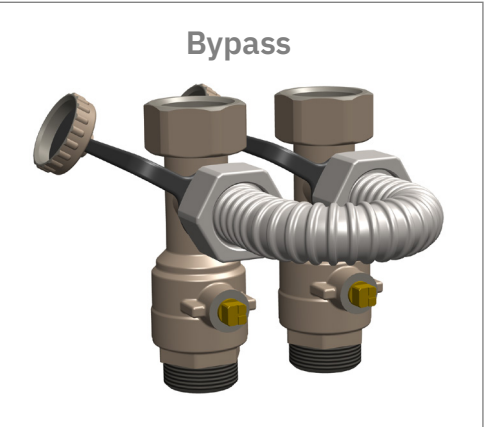
Technical Information

Materials

Component		Material	Grade
1	T-Piece	Valve body, nuts	Brass
		Square stem	Brass
		Ball	Brass
		O-Rings	Rubber
		Washer	Rubber
		Circlip	Stainless steel
2	Locking cap	Locking cap	Brass
		Inside flat seal	Rubber
		Strap	Plastic
3	Corrugated pipe	Pipe	Stainless steel
		Locking nuts	Brass
4	Binder test points	Locking nuts	Brass
		Test points	Brass
		Inside seals	Rubber
		Strap	Plastic
5	Insulation (optional)	Plastic	PE



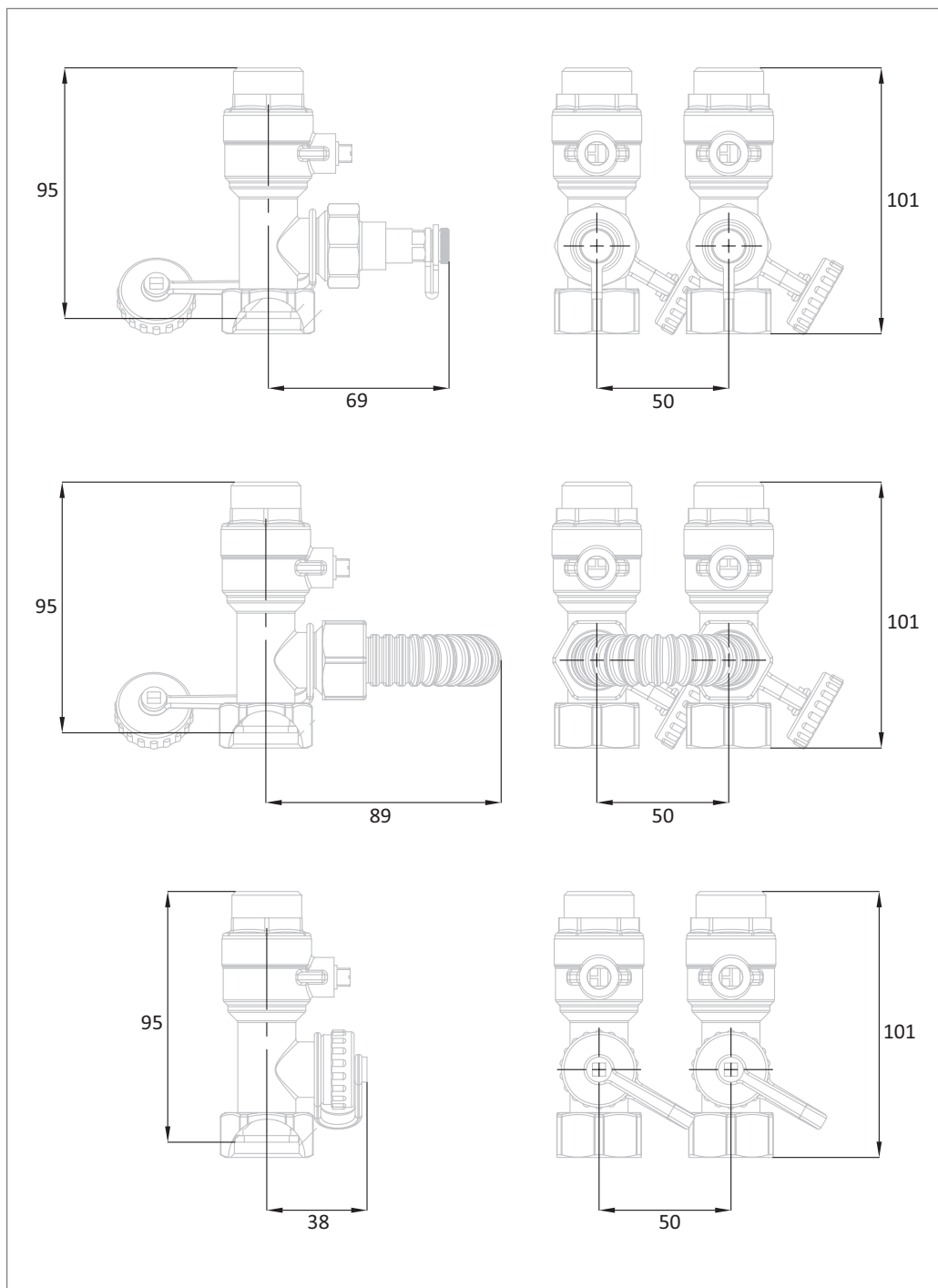
Modes of Operation



Dimensions

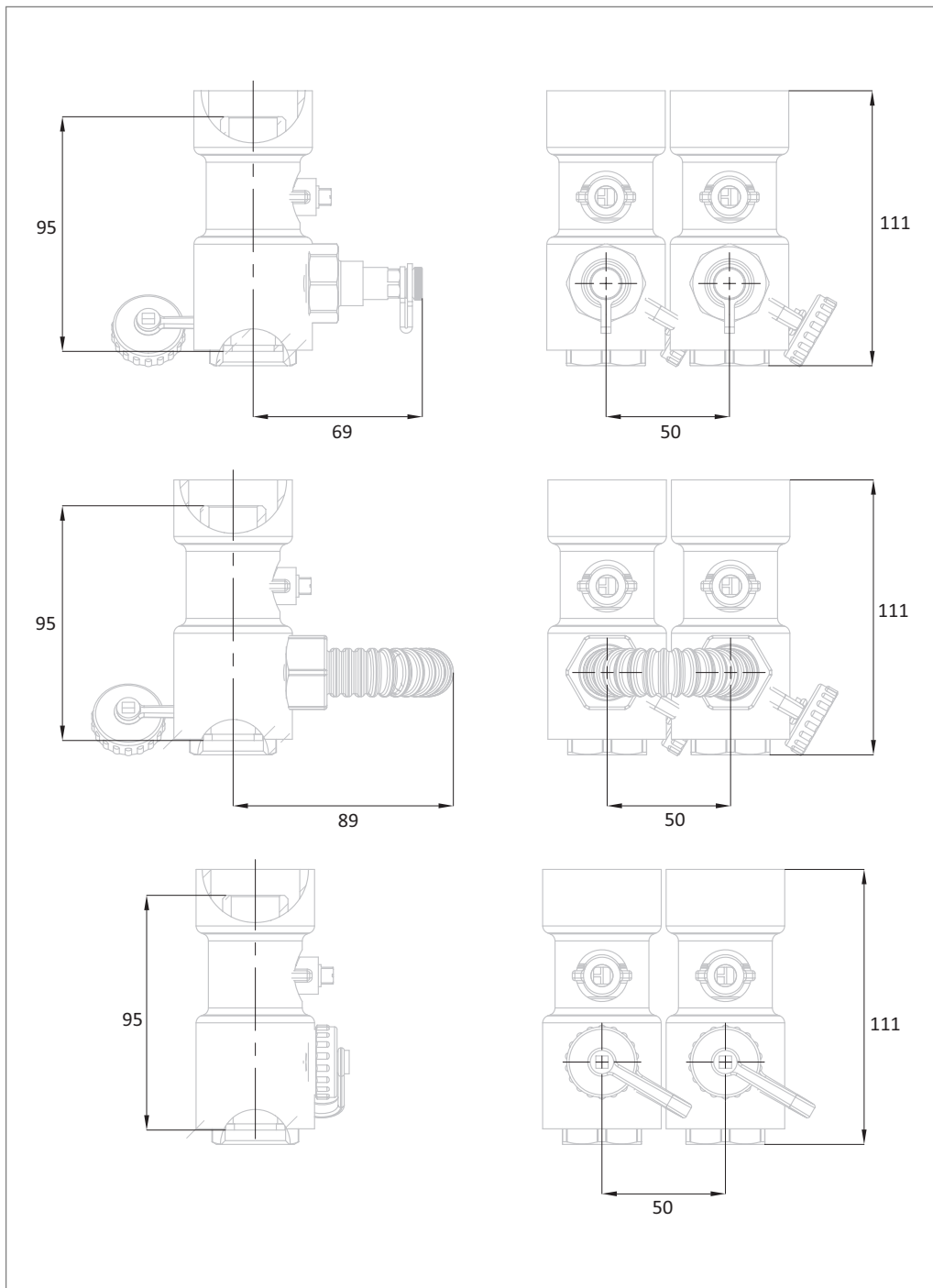


EVDBPX-XXX (Excluding insulation)



Dimensions

EVDBPXYXXX (Including insulation)

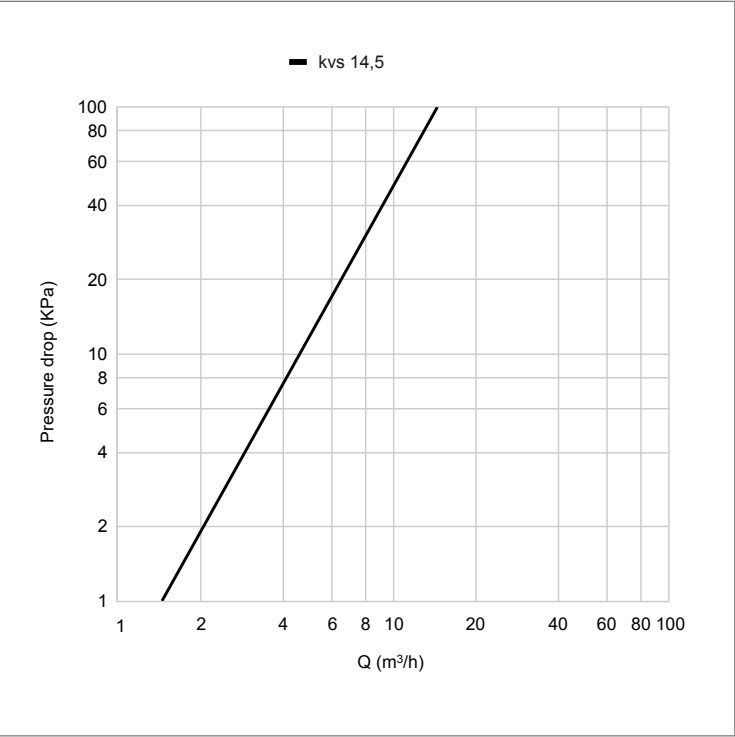


Pressure Drops



Mode of Operation	Bypass	Test	Normal
Kv	14.5	23	23

Bypass Mode (Kv = 14.5)



Test / Normal Mode (Kv = 23)

