

LIBRA



VLX1P

1/2"
375 l/h

VLX2P

3/4"
800 l/h

VLX3P

1"
1000 l/h

VLX4P

1 1/4"
2000 l/h

VLX5P

1 1/2"
4000 l/h

VLX6P

1 1/2"
10000 l/h

VLX8P

2"
12500 l/h

LIBRA

Dynamic pressure independent control valves

Controlli PICVs are ideal for use in heating/cooling variable flow systems and provide constant flow regulation within a given range of differential pressure drop.

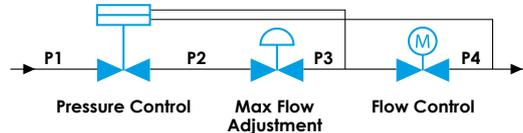
Dynamic balancing eliminates overflows regardless of fluctuating pressure conditions in the system.

DISCOVER MORE
ON OUR WEBSITE



3 PRODUCTS IN 1

- » Control Valve
- » Differential Pressure Controller
- » Static flow limiting valve



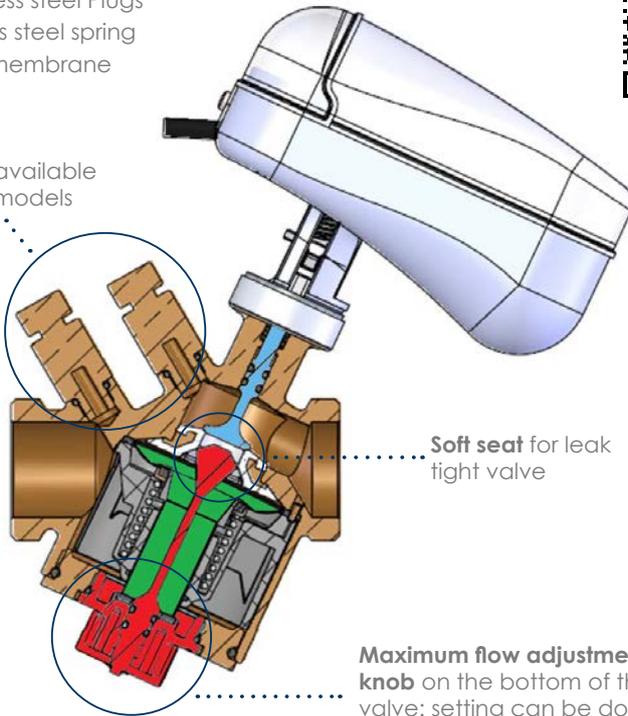
MODEL		CONNECTION	PN	TEMP. RATING [°C]	STROKE [mm]	MAX. ΔP [kPa]	VALVE BODY MATERIAL	COMPATIBLE ACTUATORS AND MAXIMUM FLOW RATES [l/h]		
WITH P/T PLUGS	WITHOUT P/T PLUGS							MCA230L MCA24L MVR24/230C2 MVX52B	MVT203S MVT403S MVT503SB MVC503R	MVE204S(R) MVE504S(R)
						ELECTRO-THERMAL		ELECTRO-MECHANICAL		
						90N / 140N		300N		400N
VLX1P	VLX1	1/2" M	16	-10÷120	4	600	BRASS	375	375	-
VLX2P	VLX2	3/4" M						800	800	-
VLX3P	VLX3	1" M						1000	1000	-
VLX4P	VLX4	1 1/4" M						2000	2000	-
VLX5P	VLX5	1 1/2" M						-	4000	-
VLX6P	-	1 1/2" F	15	800	CAST IRON	-	-	10000		
VLX8P	-	2" F				-	-	12500		

LIBRA

Working principle

- » 3 stainless steel Plugs
- » Stainless steel spring
- » EPDM membrane

P/T Plugs available on VLX.P models



Soft seat for leak tight valve

Maximum flow adjustment knob on the bottom of the valve: setting can be done without removing the actuator

■ FLOW CONTROL ■ PRESSURE REGULATION ■ MAX FLOW REGULATION

WATCH THE VIDEO



- » 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2"
- » Brass valve body PN16
- » Flow up to 4 m³/h (adjustable)
- » Temperature rating -10 °C to 120 °C
- » Max close-off 6 bar (up to VLX5P)
- » Max close-off 8 bar (VLX6P - VLX8P)

Thermal insulation



3 valves in 1

- » Linear valve characteristic regardless of the pre-set value
- » 100% stroke always
- » No cartridge design
- » Very low hysteresis
- » PICVs can be supplied as a complete **hook-up kit for FCUs**.



New electro-mechanical actuators for PICVs

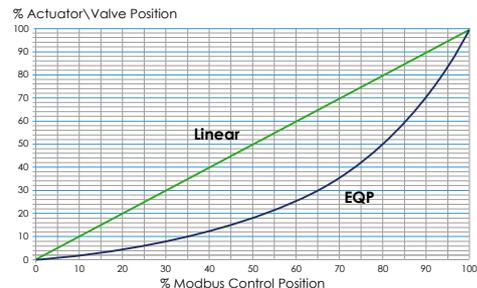
MVC503R

- » **Electronic emergency return**
- » 300 N force
- » Fast opening/closing times
- » Self-stroking and self-adjusting
- » Signals: 0..10 V / 2..10 V / 4..20 mA
- » Feedback signal: 2..10 V



And available on MVC503R-MB

- » Control signals & Feedback signal via Modbus
- » PICV flow curve changing, linear to **equal-percentage**



Easy selection & commissioning

- » Always select the smallest valve capable of delivering the design flow rate
- » Very quick selection also with thousands of units thanks to our **PICV selection tool**
- » Simple commissioning: it is just a matter of selecting one of the pre-set values on the valve caliber
- » Use our formulas for **valve caliber setting** for a quick **flow estimation**
- » Easy ΔP measurement with our DMP700 differential pressure meter (up to 700kPa)



PICV caliber



DMP700