

Refrigeration Note
Product Info

Water valves, type WVO

Introduction



Water valve type WVO is a variant in the valve series type WVFX. WVO differs from WVFX by smaller dimensions and reduced setting range.

Type WVO has the same regulating function as WVFX (opens at increasing pressure). Type WVO can normally be used in Refrigeration plant for regulation of condensing pressure.

Technical

Refrigerants	HCFC, HFC
Media	Fresh water, neutral brine
Min./ max. operating temperature Refrigerant and media	-25°C to + 130°C
Max. operating pressure Refrigerant	PB = 25 bar/ MWP = 360 psig
Media	PB = 16 bar/ MWP = 185 psig
Range, bar ¹⁾ (every range corresponds to one code no.)	4 → 8, 8 → 12, 12 → 16, 14 → 18, 18 → 22
Connection Refrigerant	1/4 in./ 6 mm, SAE flare
Media	3/8, 1/2, 3/4, 1 in. ²⁾

¹⁾ The stated ranges are min. and max. setting pressure when the WVO begins to open. WVO is fully open at 3 bar higher pressure than the setting pressure.

²⁾ The type designation is defined by the size of the connections at the media side:
WVO 10: 3/8 in. BSP
WVO 15: 1/2 in. BSP

Ordering

Type	Kv value (m ³ /h) ²)	Range bar	Connection 1) BSP (in.)	Code no.
WVO 10	1.4	4 → 8	3/8	003N5201
		8 → 12		003N5203
		12 → 16		003N5205
		14 → 18		003N5206
		18 → 22		003N5208
WVO 15	1.9	8 → 12	1/2	003N5213
		14 → 18		003N5216