

Permissible media:	R22, R134A, R404A, R407C, R507
Operating pressure:	0,2 - 30 bar
Life span:	min. 5 mio. switchings
Ambient temperature:	-40 to +70°C
Media temperature:	-40 to +150°C
Material:	Brass, stainless steel, PTFE, EPDM
Magnetic capacity:	10 Watt at DC / 18VA at AC
Coil Connector:	DIN 43650 A - PG 11 (PG9)
Coil Protection:	IP65 with connector

Refrigerating

2/2-way

Solenoid Valves with soldering connection for tubes D 7/8" - 1 3/8"

Connection Tube-D	KV ¹⁾	Weight	Article Number (Solenoid valve incl. coil and connector)	
			normally closed	normally open
1 1/8"	12	0,95 kg	VDN01*	VDO04*
1 3/8"	13	1,10 kg	VDO01*	VDO04*
1 5/8"	14	1,25 kg	VDP01*	VDP04*



Series: VD01

1) The KV-Value is the water flow in m/h³,
at pressure drop across the valve of 1 bar.

* **Voltage code:** 0 = without coil
1 = 230V 50/60 HZ
2 = 024V DC
3 = 024V 50/60 HZ
4 = 012V DC

The voltage code is the end number of
the valve article number. (e.g.: VDP013)

FEATURES

- low noise switching
- high switching frequency
- compact design
- low energy consumption

Connection Tube-D	Nominal Refrigeration Capacity (KW) ²⁾											
	Liquid				Suction Steam				Hot Gas			
	R22	R404A R507	R134A	R407C	R22	R404A R507	R134A	R407C	R22	R404A R507	R134A	R407C
1 1/8"	240	166,8	223,2	228	26,4	24	19,2	25,2	110,4	90,0	87,6	116,1
1 3/8"	260	180,7	241,8	247	28,6	26	20,8	27,3	119,6	97,5	94,9	125,7
1 5/8"	280	194,6	260,4	266	30,8	28	22,4	29,4	128,8	105,0	102,2	135,4

2)
The nominal liquid and suction steam capacity is based on the evaporation temperature $t_k = -10^\circ\text{C}$ liquid temperature ahead the valve $t_v = +25^\circ\text{C}$ and $D_p = 0,15$ bar.

The nominal hot gas capacity is based on the liquefying temperature $t_k = +40^\circ\text{C}$, pressure drop across the Valve $D_p = 0,8$ bar, hot gas $t_h = +65^\circ\text{C}$ and subcooling of refrigerant liquid $D_{ts} = 4$ K.