

<b>Permissible media:</b>	R22, R134A, R404A, R407C, R410A, R507
<b>Operating pressure:</b>	0,2 - 30 bar
<b>Life span:</b>	min. 5 mio. switchings
<b>Ambient temperature:</b>	-40 to +70°C
<b>Media temperature:</b>	-40 to +150°C
<b>Material:</b>	Brass, stainless steel, PTFE, EPDM
<b>Magnetic capacity:</b>	10 Watt
<b>Coil Connector:</b>	DIN 43650 A PG9
<b>Coil Protection:</b>	IP65 with connector

## Refrigerating

### 2/2-way

## Solenoid Valves with soldering connection for tubes D 1 1/8" - 1 5/8"

Connection Tube-D	KV <sup>1)</sup>	Weight	Article Number (Solenoid valve incl. coil and connector)	
			normally closed	normally open
1 1/8"	12	0,95 kg	VDN01(*)	VDN04(*)
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/h<sup>3</sup>,  
at pressure drop across the valve of 1 bar.

(\*) **Voltage code:** 0 = without coil  
1 = 230V DC/AC  
2 = 024V DC/AC  
4 = 012V DC/AC  
5 = 110V DC/AC

The voltage code is the end number of  
the valve article number. (e.g.: VDP011)

### FEATURES

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

Connection Tube-D	Nominal Refrigeration Capacity (KW) <sup>2)</sup>											
	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  $t_e = -10^\circ\text{C}$  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.