

Solenoid valves intended for use in ATEX classified areas



Most of our Danfoss VDH, VDHT, and VPH solenoid valves are available as an ATEX valve solution. An ATEX approved solenoid valve consists of an ATEX certified coil and a certified valve. Information about the sales/ordering code for the “certified valve” can be requested at your local Danfoss Sales Company.

ATEX labelling



Valve label example



Validity

Approvals are only related to water as fluid. If other fluids are used, they must be non-flammable fluids and comply with standard EN 13463-5 § 7.5.5.

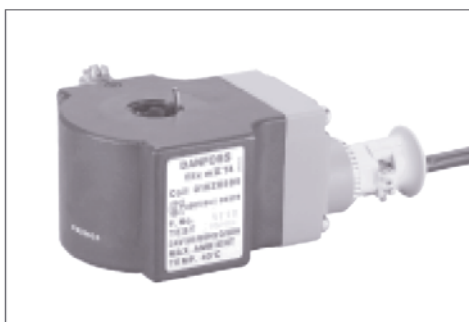
Gases

The valves are produced in materials resistant to most common gases. The user of the valves must secure that the materials used are resistant to the gases applied.

Temperature

The valves must only be used in systems where the temperature for the pressure medium does not exceed a higher temperature than 60° C.

Coils

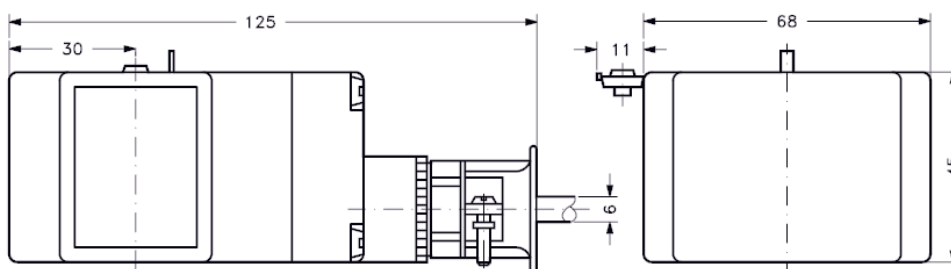


BO coils



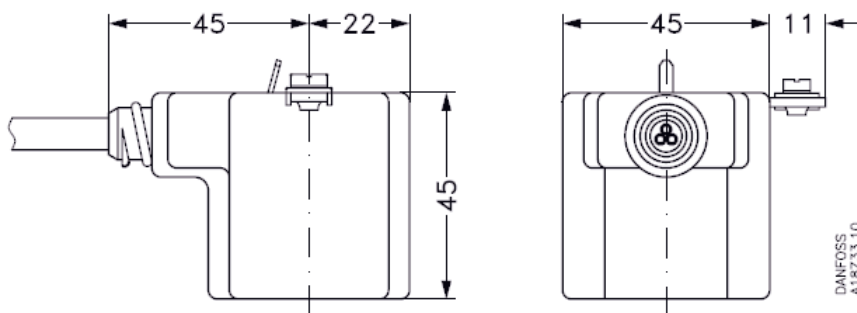
BP coils

BO coil dimensions



Weight: 0.60 kg

BP coil dimensions



DANFOSS
A18233.10

Coils available

-type BO with type Conformity certification "Epsilon 07 ATEX 2335X"

Voltage	Holding Power	Code no.
24V, 50/60 Hz	12 W / 21 VA	TBA
48V, 50/60 Hz	12 W / 21 VA	TBA
110V, 50/60 Hz	12 W / 21 VA	TBA
230V, 50/60 Hz	12 W / 21 VA	018Z7992
240V, 50/60 Hz	12 W / 21 VA	TBA
24V DC	10 W	018Z7993

or

-type BP with type Conformity certification "DEMKO 06 ATEX 138747X"

Voltage	Holding Power	Code no.
24V DC	10,5 W	TBA
24V, 50 Hz	12 W / 21 VA	TBA
230V, 50 Hz	12 W / 21 VA	TBA

Max. Ambient temperature

BO Coil 60° C
BP Coil 60° C

Important information about the coil size

Valve types with following label	Coils applicable									
	240V 50/60Hz	180Z7992 230V 50/60Hz	110V 50/60Hz	48V 50/60Hz	24V 50/60Hz	018Z7993 24V DC	24V DC (BP)	24V 50Hz (BP)	230V 50Hz (BP)	
VDH 30 EC 4/3 NO/NC	X	X	X	X	X	X	X	X	X	
VDH 60 EC 4/3 NO/NC	X	X	X	X	X	X	X	X	X	
VDH 30 EC 3/2 NO/NC	-	-	-	-	-	-	X	X	X	
VDH 2 E 2/2 NO/NC	X	X	X	X	X	X	X	X	X	
VDH 30 EC 2/2 NO/NC	X	X	X	X	X	X	X	X	X	
VDH 30/60 E 2/2 NO/NC	X	X	X	X	X	X	X	X	X	
VDH 120 E 2/2 NO/NC	X	X	X	X	X	X	X	X	X	
VDH 120 EM 2/2 NC	X	X	X	X	X	X	X	X	X	
VPH 15 E NO/NC	X	X	X	X	X	X	X	X	X	
VDHT XX E/EA NO/NC	X	X	X	X	X	X	X	X	X	
VDHT XX E/EA HP NO/NC	X	X	X	X	X	X	X	X	X	
VDHT XX ED/EA NO/NC	X	X	X	X	X	X	X	X	X	
VDHT XX EAM NO/NC	X	X	X	X	X	X	X	X	X	
VDHT XX EC NO/NC	X	X	X	X	X	X	X	X	X	
VDHT B2 NO/NC	-	-	-	-	-	-	X	X	X	
VDHT BL2 NO/NC	-	-	-	-	-	-	X	X	X	
VDHT BLM2 NO/NC	-	-	-	-	-	-	X	X	X	
VDHT XX 3/2 NO/NC	-	-	-	-	-	-	X	X	X	