



TOTAL INGENIEROS S.A.C

VENTAS, PROYECTOS, SERVICIOS EN INGENIERÍA Y SISTEMAS DE REFRIGERACION

Industrial Refrigeration Control Components



Dofun

Atlas For Selecting Models

Shandong Dofun Refrigeration Technology Co Ltd

Product introduction

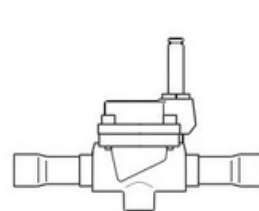
The solenoid valve is a kind of stop valve which depends on the electromagnetic force to switch automatically. In the industrial refrigeration device, the solenoid valve is often used as the remote control stop valve, the regulation mechanism of the two position regulation system or the safety protection equipment. It can be applied to all kinds of gas, liquid refrigerant and other media.

DN3-DN40 R12 , R22 , R502 ,
R134a,R404a,R507,R717

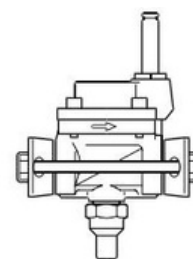
Applicable media: R12, R22, R502, R134a,
R404A,R507,R717andotherrefrigerants.

-40℃~+105℃

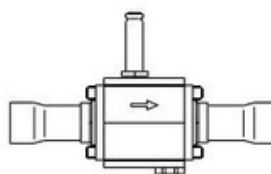
Applicable temperature: - 40 °C ~ + 105 °C



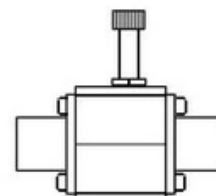
DEVSC3-2 series



DEVS10-25 series

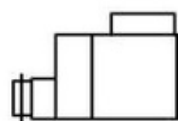


DEVSC32,40



DEVS32,40

Electromagnetic coil and Maximum opening
differential pressure



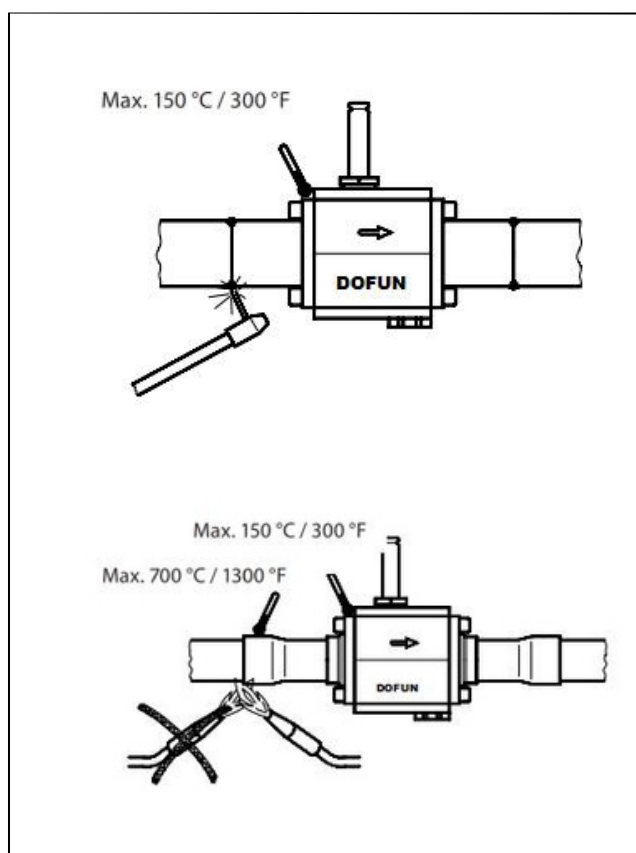
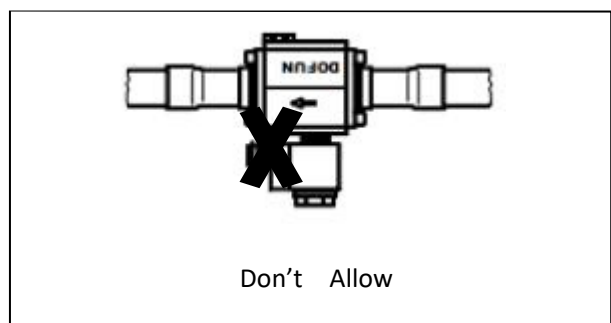
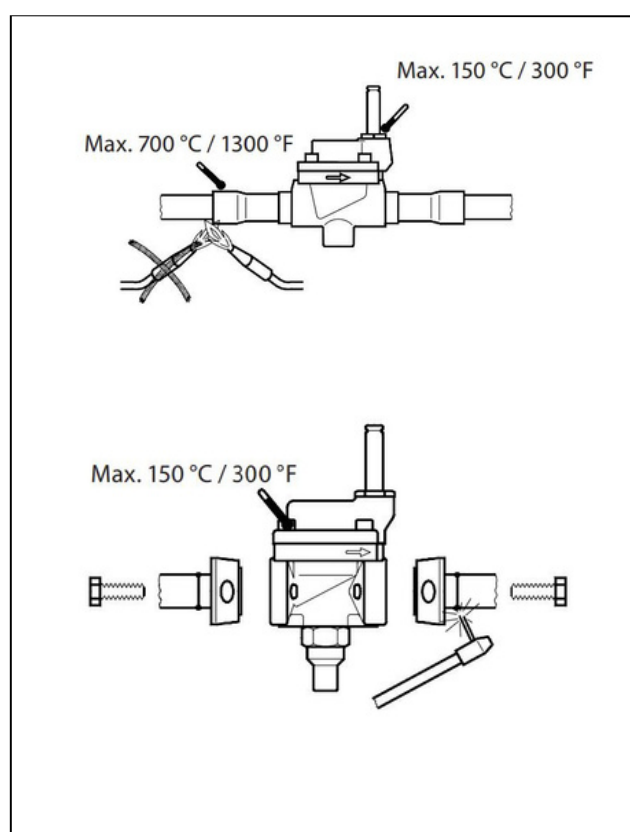
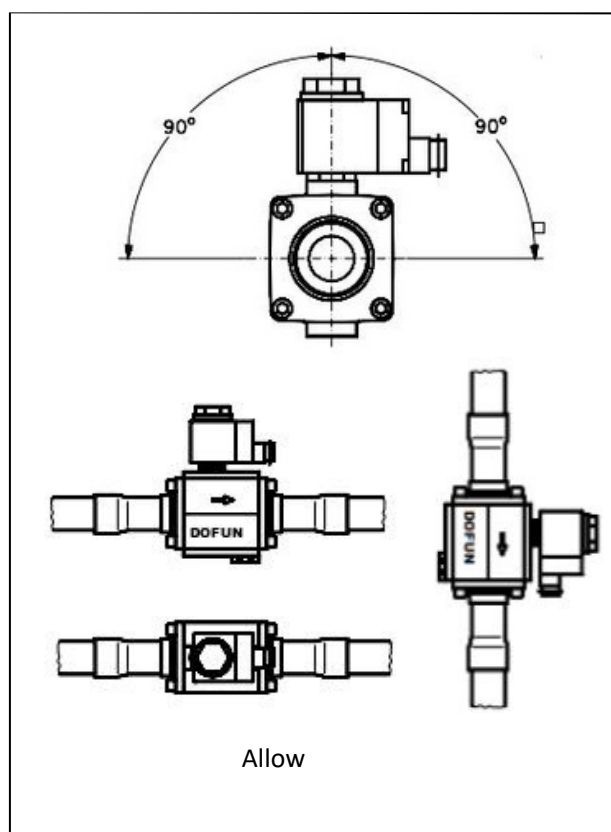
a.c. ~

	DEVSC/DEVSC3-25	DEVSC/DEVSC32 ,40
ac/10w		21 bar
ac/12w	Mediapressure	25bar

Installation

□

When installing the solenoid valve, the coil shall be in the horizontal or vertical upward state and shall not be installed upside down.

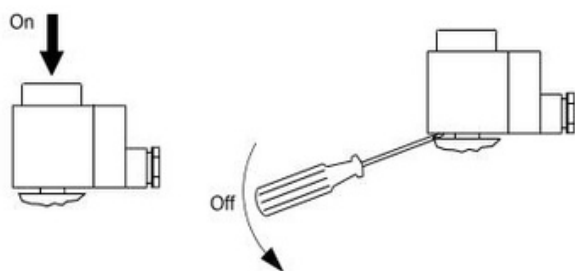


Welding

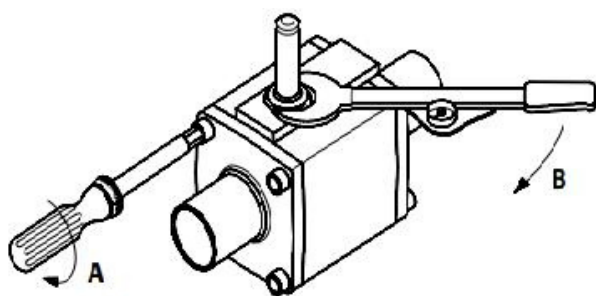
When connecting to the pipeline, it is necessary to ensure that the temperature generated during the welding of each part shall not be higher than the allowable value, so as to avoid damaging the internal parts of the solenoid valve.

Disassembly and Assembly

Solenoid valve assembly parts and structure diagram



Be careful not to turn on the power when the coil is removed. Otherwise, the coil may be damaged and there is a risk of injury and burns.

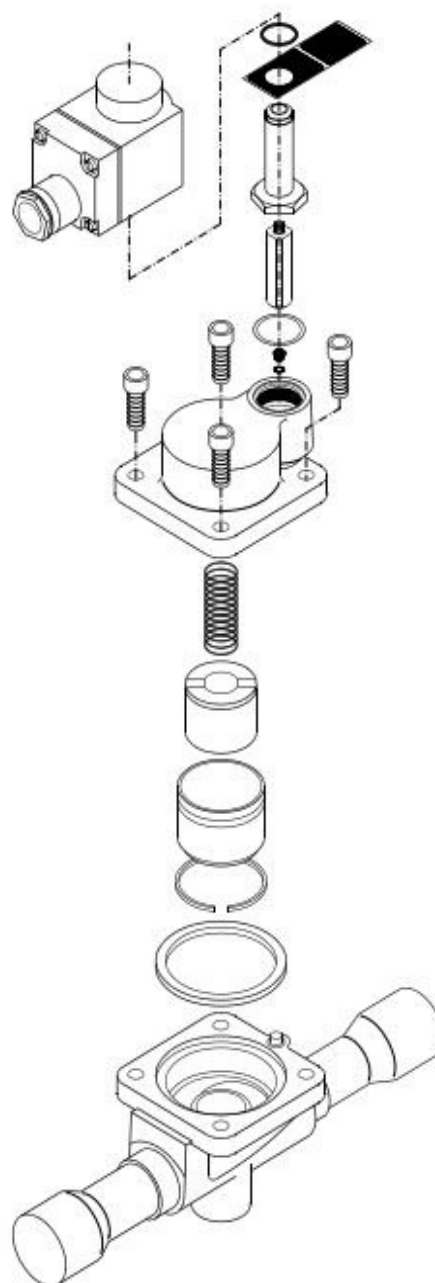


When it is necessary to disassemble the coil and the pilot head, the correct torque shall be followed, which shall not be too large.

	N.m	Kgf.m	lbf.ft
A	12	1.2	9
B	50	5	37

DEVSC3-25

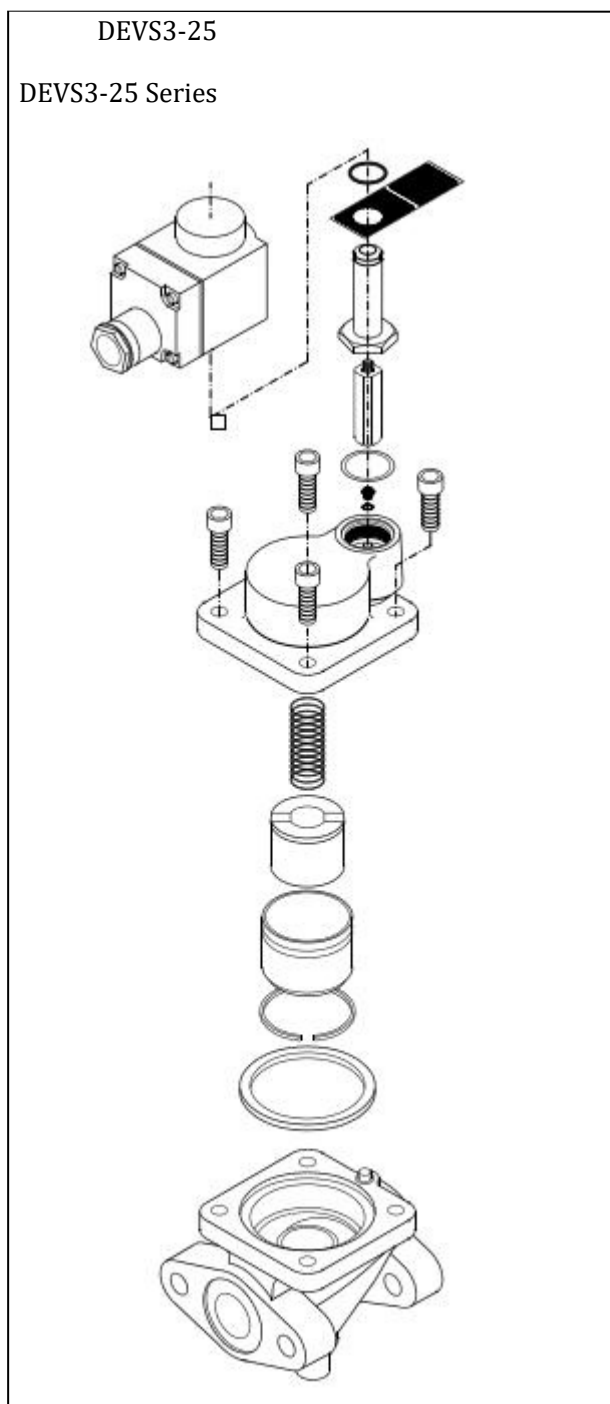
DEVSC3-25 Series



DEVSC/DEVSC3-25

DEVSC/DEVSC3-25 Series parts Exploded

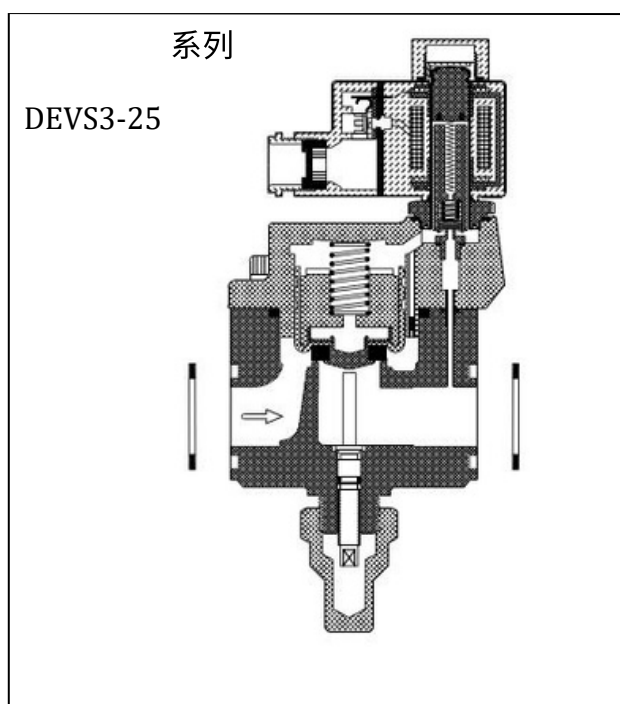
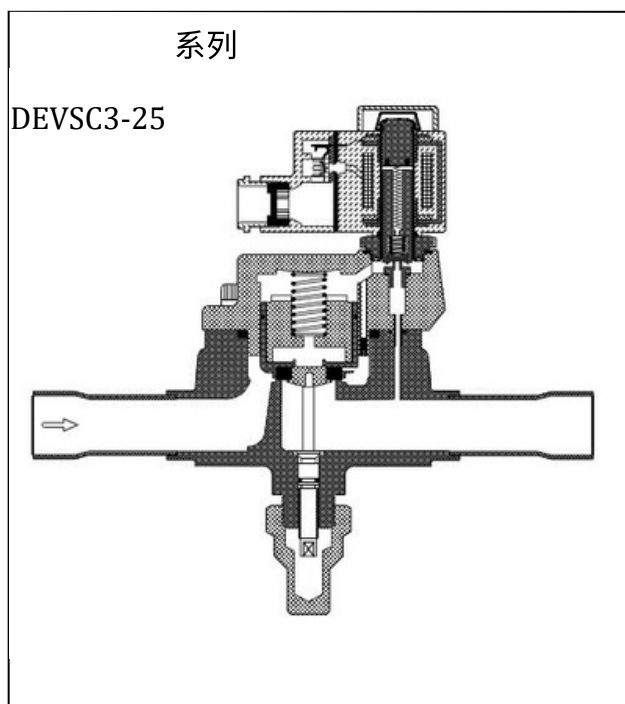
view





DEVSC/DEVSC10-2 Series Structure diagram

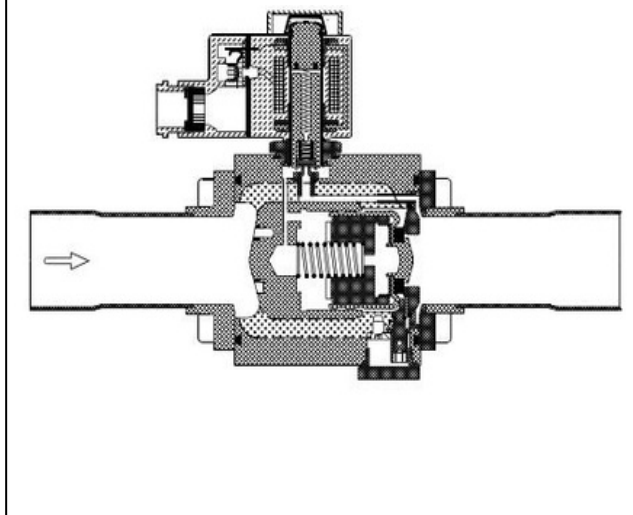
DEVSC/DEVSC10-25



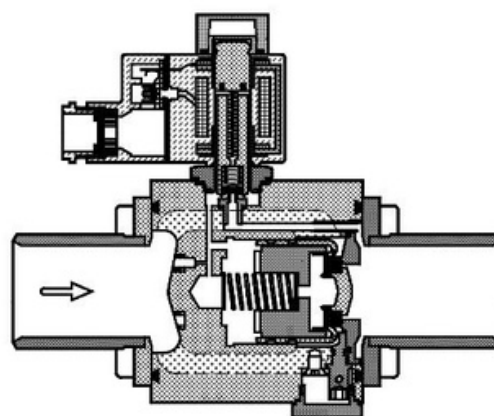
DEVSC /DEV S3 2, 40 Series Structure diagram

DEVSC/DEVSC32

DEVSC32 DEVSC40

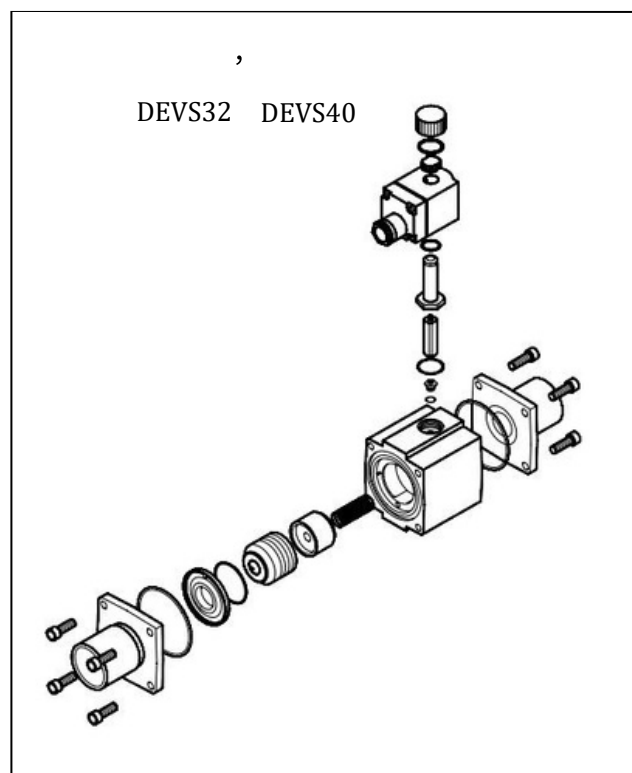
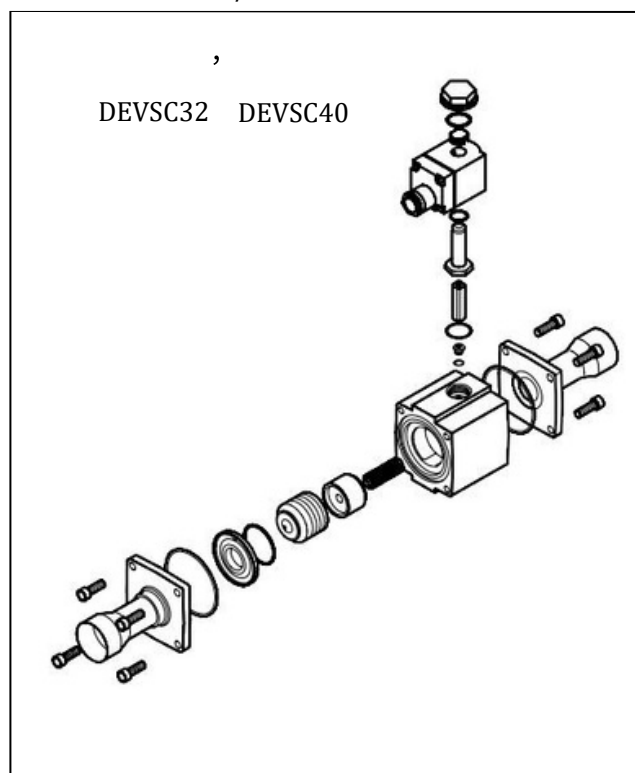


DEVSC 32 DEVSC40



□ DEVS C/DE VS 32 , 40 Series parts Exploded view .

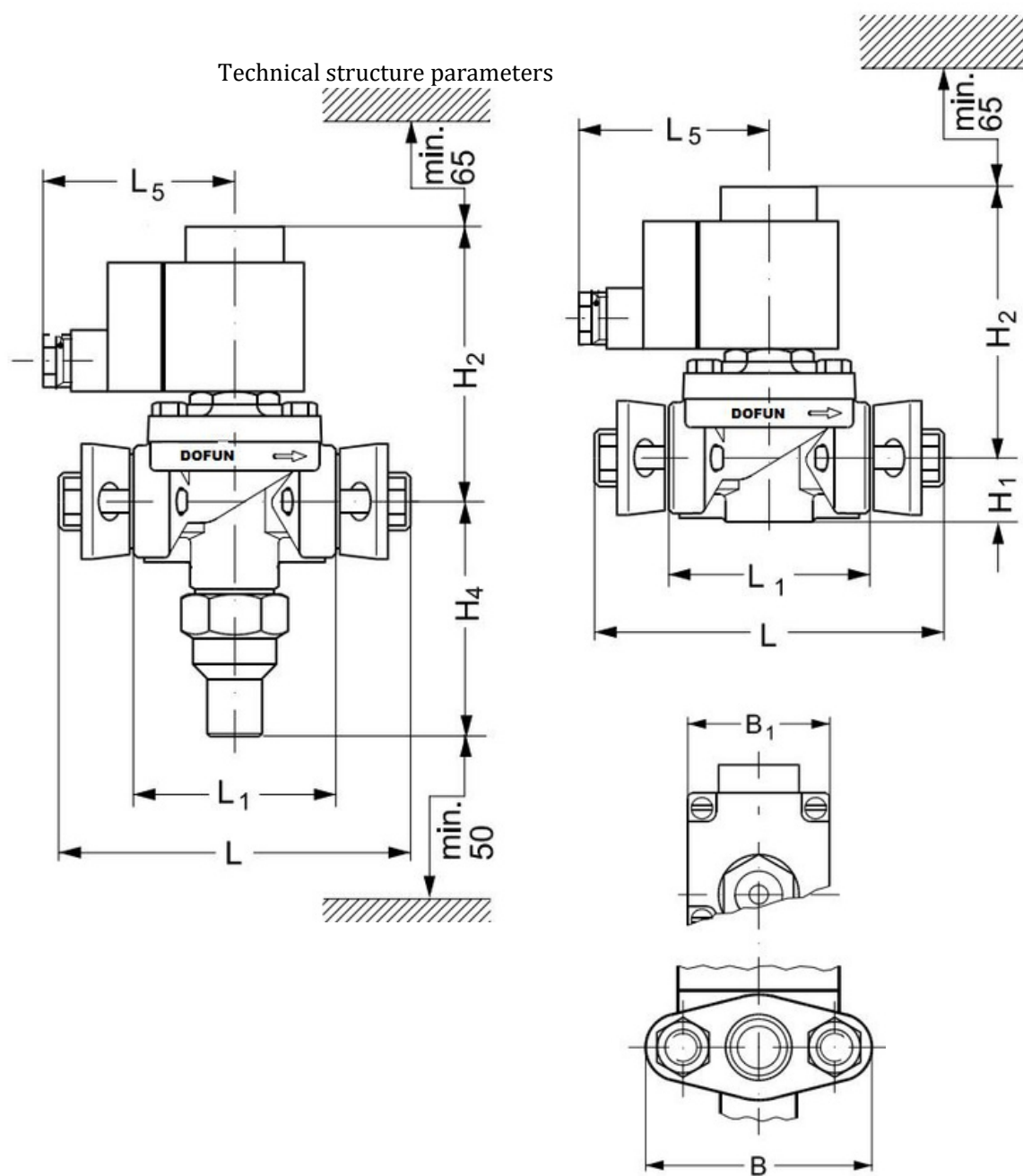
DEVSC/DEVS32



The parts that need to be replaced must use the original parts of DOFUN. The solenoid valve must be installed in strict accordance with the requirements of this manual, otherwise the company will not be responsible for the deterioration or damage to the performance of the solenoid valve.

type	ΔP bar) Differential opening pressure when Medium				Temperature	Maximum workingpressure	Kv值 m ³ /h
	min	max					
		10w.ac	12w.ac	20w.ac			
DEVS3	0.05	21	25	18	-40℃～+105℃	42	0.23
DEVS10	0.05	21	25	18	-40℃～+105℃	42	1.5
DEVS15	0.05	21	25	18	-40℃～+105℃	42	2.7
DEVS20	0.05	21	25	13	-40℃～+105℃	42	4.5
DEVS25	0.20	21	25	13	-40℃～+105℃	42	10
DEVS32	0.20	21	25	14	-40℃～+105℃	42	16
DEVS40	0.20	21	25	14	-40℃～+105℃	42	25

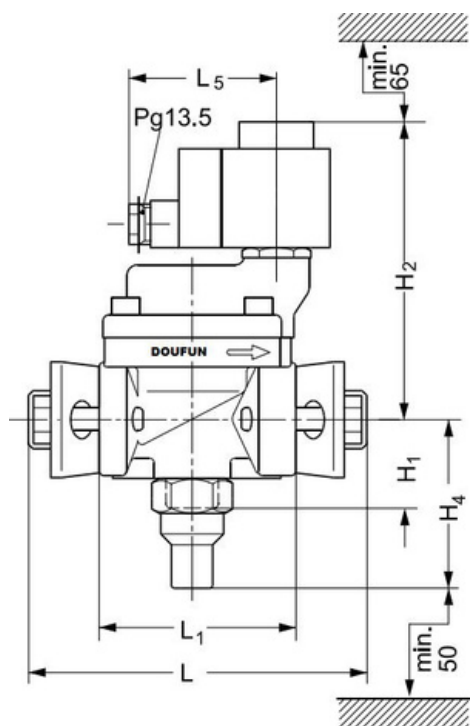
type	Rated cooling capacity (kW)								
	liquid			return gas			hot-gas		
	R717	R22	R134a	R717	R22	R134a	R717	R22	R134a
DEVS3	24	4.7	4.1	0.8	0.3	0.2	8.1	2	1.9
DEVS10	142	30.2	27.8	9	3.4	2.5	42.6	13.2	11.3
DEVS15	256	54.4	50.1	16.1	6.2	4.4	76.7	24.9	20.3
DEVS20	426	90.6	83.5	26.9	10.3	7.3	128	41.5	33.9
DEVS25	947	201	186	59.7	22.8	16.3	284	92.3	75.3
DEVS32	1515	322	297	95.5	36.5	26.1	454	148	120
DEVS40	2368	503	464	149	57	40.8	710	231	188



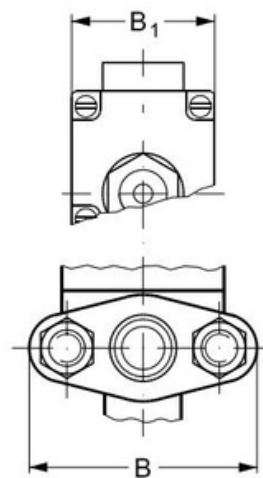
DEVS10 DEVS15 DEVS20

Structure diagram

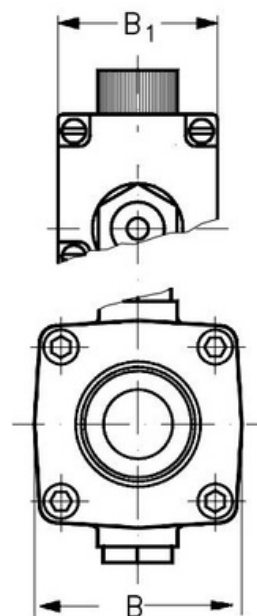
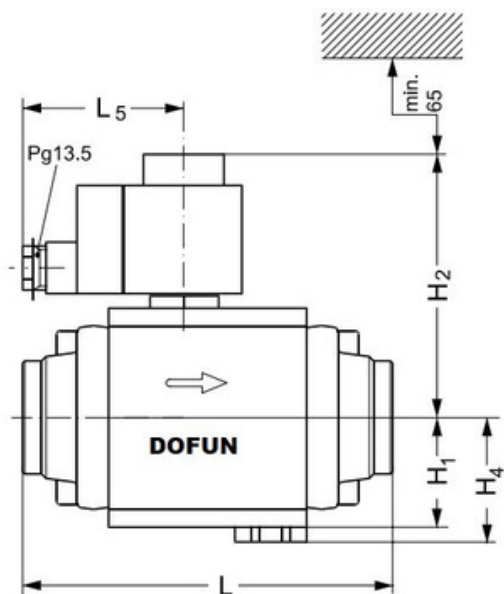
type	H1 mm	H2 mm	H4 mm	L mm	L1 mm			B mm	B1 (max) mm	kg
						L5mm 10w	12/20 w			
DEVS3		84	81	127	65	75	85	80	68	1.5
DEVS10		100	81	130	68	75	85	80	68	1.7
DEVS15	22	100	77	130	68	75	85	80	68	1.8
DEVS20		110		155	85	75	85	96	68	2.7



DEVS25



Structure diagram



DEVS32 DEVS40 Structure diagram

type	H1 mm	H2 mm	H4 mm	L mm	L1 mm	L5mm		B mm	B1(max) mm	kg
						10w	12/ 20w			
DEVS25	46	141	78	162	92	75	75	95	68	3.0
DEVS32	47	115	53	175		75	80	80	68	4.0
DEVS40	47	115	53	175		75	80	80	68	4.0