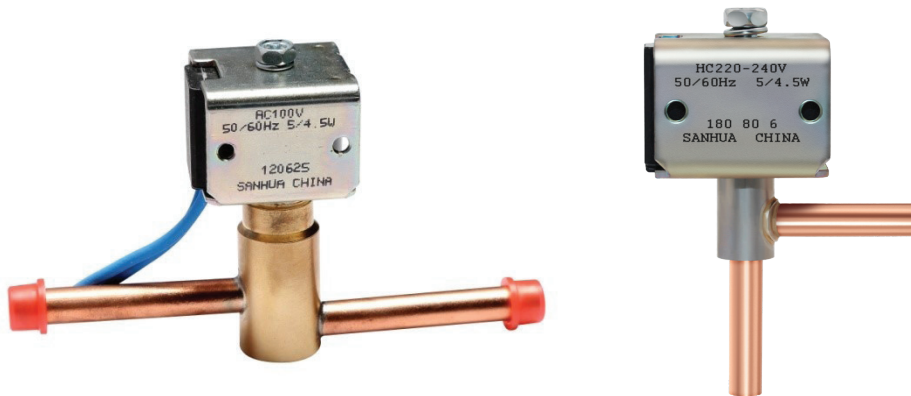


## FDF SERIES | *Solenoid Valve (NC)*



FDF series solenoid valves are direct operated or pilot operated solenoid valves, mainly used in refrigerant control of various devices such as refrigerating and freezing systems, air conditioners and heat pumps.

### FEATURES

- COILS: LOW ENERGY CONSUMPTION, RELIABLE
- GREAT VALVE OPENING PERFORMANCE, HIGH MOPD

### GENERAL SPECIFICATION

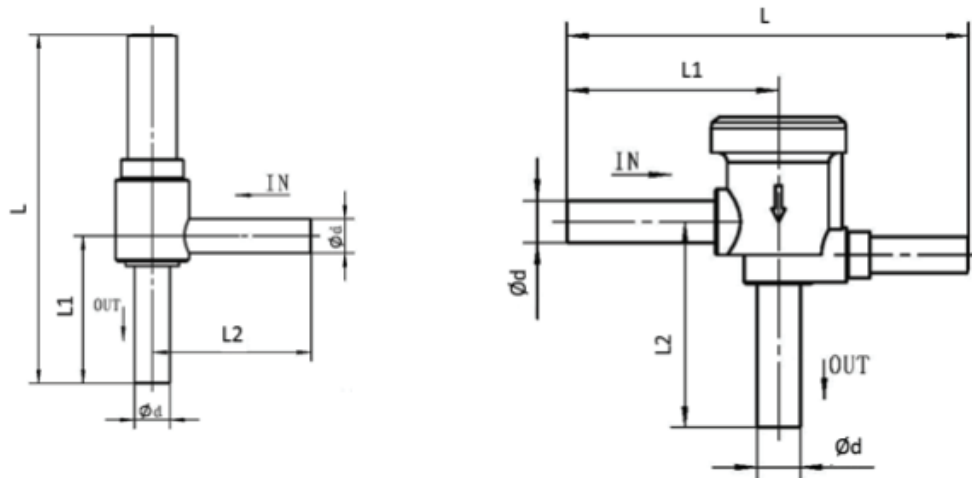
- Applicable for all common HCFC and HFC refrigerants such as: UL approved for all A1,A2,A2L, and A3 refrigerants
- Medium temperature TS min./max.: -30°C / +120°C
- Ambient temperature min./max.: -30°C / +50°C
- Relative humidity: 0 to 95% RH
- Installation position:
  - Liquid, suction and discharge line
  - Coil upwards, coil axis  $\pm 15^\circ$  tolerance versus vertical axis
  - Flow direction corresponds to the arrow
- Certifications: UL and declaration according to LVD or PED
- UL File Number: MH 29234

## FDF SERIES | Solenoid Valve

### TECHNICAL PARAMETERS OF VALVE BODY

Model Valve Body	Product Number	Normal Position	Actuation	Ø Seat	Kv	MOP	Max. OPD	Min. OPD	Ød OD	Ød OD	Measurement [mm]		
					[m³/h]	[MPa]	[MPa]	[MPa]	[mm]	[inch]	L	L1	L2
FDF 2A 81	10120046002	NC	Direct	1,9	0,08	4,2	3,4	0	6,35	1/4	66,5	32	34
FDF 2.5A 08	10120021102		Pilot	2,5	0,21		2,1	0,01	6,35	1/4	85	37,5	38
FDF 3A 16	10120044602						2,7	0,26	3,4	7,94	5/16	81,4	34,5
FDF 4A 10	10120025302		4,0	0,30	2,8		0	6,35	1/4	81	35	38	
FDF 6A 98	10120044702		5,8	0,56	3,4		0,01	7,94	5/16	81,6	34,5	35,5	
FDF 11A 36	10120043202		11	2,40	2,8		0,02	12,7	1/2	117,5	62,3	62	
FDF 13A 26	10120046702		13	3,5				15,88	5/8	117,5	62,3	62	

### DIMENSIONS - VALVE BODY



### TECHNICAL PARAMETERS OF COIL

Model Coil	Product Number	Rated Voltage (V)	Supply	Power 1) [W]	Freq. [Hz]	Voltage Tolerance	Insulation Class	Wiring type: flying leads [mm]
FQ-A05 024-000709	10800072302	24	AC	5 (50Hz) 4,5 (60Hz)	50/60	-15% +10%	B	1800±50
FQ-A05 120-001098	10800062002	110 to 120		5 (50Hz) 4,5 (60Hz)				800±30
FQ-A05 22G-001022	10800057302	220 to 240		5 (50Hz) 4,5 (60Hz)				600±20

Note:

1) FQ-A0522G power consumption based on 240V; FQ-A05120 power consumption based on 120V

### DIMENSIONS - COIL (FQ-A05)

