

HPW2510F, 3212F, 4014F, 5020F series



HPW 5020F

Symbol	
Electrical connection	
Nil	G T D Z

How to Order

HPW 5020 F - - AC220V

① ② ③ ④

① Orifice & Port size

	Orifice	Port size
2510	Ø25	1
3212	Ø32	1 1/4
4014	Ø40	1 1/2
5020	Ø50	2

② Electrical connection

Nil	Console box (Standard)
G	Grommet coil
T	Terminal box
D	DIN coil + DIN connector
Z	DIN coil + DIN connector & lamp

④ Voltage

AC110V	AC110V 50Hz/60Hz
AC220V	AC220V 50Hz/60Hz
DC12V	DC12V
DC24V	DC24V
AC110V-50Hz	AC 110V 50Hz
AC220V-50Hz	AC 220V 50Hz
AC240V-50Hz	AC 240V 50Hz
AC24V-50Hz	AC 24V 50Hz

③ Seal material

	Material	Applications
Nil	NBR	Standard
M	FPM	Chemical, Hot water 120°C
E	EPDM	Hot water 100°C

Specifications

Classification	Standard	Option	Classification	Standard	Option	
Fluid	Air, Water, Clean oil, Inert gas		Voltage	AC100V 50/60Hz AC110V 60Hz AC200V 50/60Hz AC220V 60Hz DC24V, 12V	AC110V 50Hz AC220V 50Hz AC240V 50Hz AC 24V 50Hz	
Fluid temp.	0 ~ 60°C	EPDM(100°C) FPM(120°C)		Allowable voltage fluctuation	±10% (AC), ±5% (DC)	
Ambient temp.	50°C (Max.)				Power consumption	AC, DC : 14W
Pressure range	0.3 ~ 10kgf/cm ² (0.03 ~ 1MPa)		Body material	Brass, Bronze		
Coil insulation	Class B		Electrical connection	Lead wire G(PF)1/2	Grommet coil Terminal box DIN connector	
End connection	JIS 10K FF		Seal material	NBR	EPDM, FPM	
Orifice	Ø25, Ø32, Ø40, Ø50		Weight	Refer to the table below		

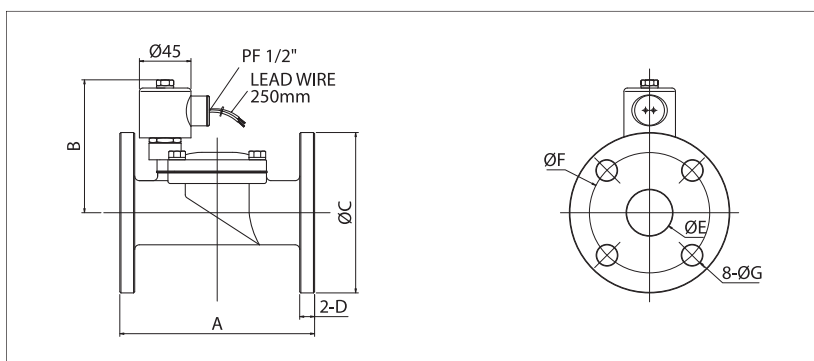
Features

- Diaphragm type
- Normally closed type
- Designed to operate with low differential pressure of (0.03kgf/cm²)
- Seal material can be changed depending on fluid specifications.

Applications

- Water piping
- Medical instrument
- Ventilator
- Air conditioner
- Compressor

Dimensions



Model	A	B	C	D	E	F	G	Weight (kg)
HPW 2510F	127	99.2	125	13	25	90	18	4.4
HPW 3212F	170	117	135	13	40	100	18	6.2
HPW 4014F	170	117	140	13	40	105	18	6.15
HPW 5020F	180	123	155	14	50	120	18	8.0

HPW6524F series



HPW 6524F

Symbol				
Electrical connection				
Nil	G	T	D	Z

How to Order

HPW 65 24 **F** - - AC220V

①
②
③
④
⑤

① Orifice

65	Ø65
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② Port size

24	2 1/2
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③ Electrical connection

Nil	Console box (Standard)
G	Grommet coil
T	Terminal box
D	DIN coil + DIN connector
Z	DIN coil + DIN connector & lamp

④ Seal material

	Material	Applications
Nil	NBR	Standard
M	FPM	Chemical, Hot water 120°C
E	EPDM	Hot water 100°C

⑤ Voltage

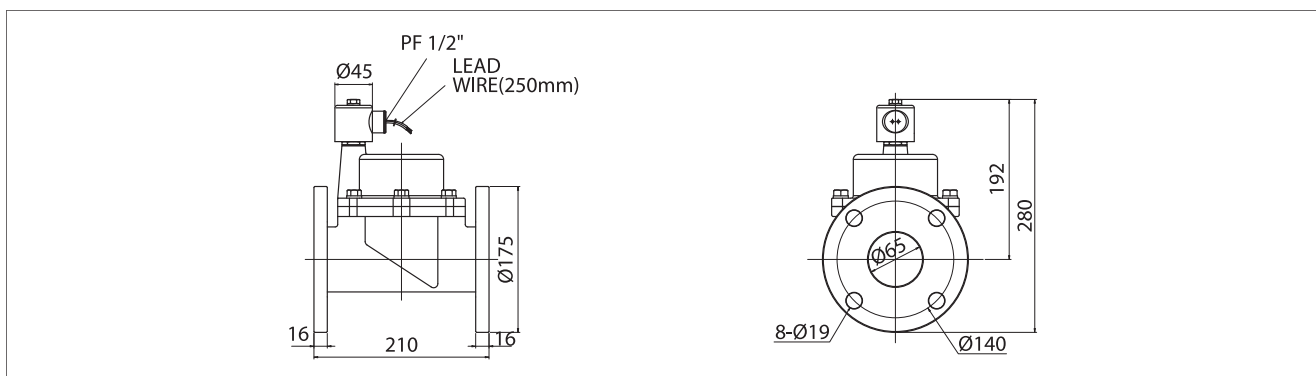
AC110V	AC110V 50Hz/60Hz
AC220V	AC220V 50Hz/60Hz
DC12V	DC12V
DC24V	DC24V
AC110V-50Hz	AC 110V 50Hz
AC220V-50Hz	AC 220V 50Hz
AC240V-50Hz	AC 240V 50Hz
AC24V-50Hz	AC 24V 50Hz

Specifications

Classification	Standard	Option	Classification	Standard	Option
Fluid	Air, Water, Clean oil, Inert gas		Voltage	AC100V 50/60Hz AC110V 60Hz AC200V 50/60Hz AC220V 60Hz DC24V, 12V	AC110V 50Hz AC220V 50Hz AC240V 50Hz AC 24V 50Hz
Fluid temp.	0 ~ 60°C	EPDM FPM			
Ambient temp.	50°C (Max.)				
Pressure range	0.5 ~ 10kgf/cm ² (0.05 ~ 1MPa)		Allowable voltage fluctuation	±10% (AC), ±5% (DC)	
Coil insulation	Class B		Power consumption	AC, DC : 14W	
Electrical connection	Lead wire G(PF)1/2	Grommet coil Terminal box DIN connector	Body material	Bronze	
End connection	JIS 10K FF		Seal material	PISTON NBR	EPDM, FPM
Orifice	Ø65		Weight	14.3kg	

※ Not available in explosive atmosphere. ※ If oil is applied, the range of pressure shall be based on 50cst for oil viscosity.

Dimensions



Process Valve
2Port Small
HDA
HDA G
KAB
HDA N.O
W, A (N.C)
HDW
HAW
HPW
W, A (N.O)
HVD
HPW
S, H (N.C)
HDS
HPS
S, H (N.O)
HSV
HPS
High Pressure
HPW (20kgf/cm ²)
HPM (20kgf/cm ²)
HPW (60kgf/cm ²)
Direct Acting
HKW
HKS
SUS Type
HDA
HDW
HVS
HSR
HDC
HPW