

Applicable for **R410A**

New Solenoid Valves for refrigerant

Type RPV

**DIN
plug coil
New
release**

The global standard

New solenoid valves for refrigerant meets

"High-pressure R410A as standard"

RPV provides a various lineup per port sizes and connection configurations for use in versatile applications.

Coils of DIN plug type are newly added to the product lineup for enhancing user convenience.

Widely used in versatile applications from refrigeration to cold storage and air conditioning.



RPV-1205DYF

For High-pressure

- For R410A as standard
(M.P. 4.3MPa, M.O.P.D. 3.6MPa)

Versatile product lineup ~21×2 type~

- Body: 21 types (Port size $\phi 3$ to 16, Connection size 1/4 to 7/8, Two connection styles)
- Coil: 2 types (DIN plug type, Lead wire type)

For Energy-saving

- The smallest power consumption in the industry

(6W at 50Hz/4.5W at 60Hz)

According to our investigation as of April 1, 2013.



Applications

- Condensing units •Cooling units •Chillers •Dehumidifiers
- Cold storage and refrigeration units for industrial applications

SAGInoMIYA

SPECIFICATIONS

- Ambient temperature: -30 to 50°C • Fluid temperature: -40 to 125°C

TYPE NUMBER SELECTION (SPECIFICATIONS)

Catalog No.		Port Size (mm)	Cv Value	* Nominal Capacity (kW)	Connection		O.P.D. (MPa)		Max. Working Press. (MPa)	Wt. (kg)	Unit (mm)				
Type	Model				Copper pipe (O.D.)	Style	Min.	Max.			L	H	h	d	
RPV-	302BYF	3	0.27	4.0	1 / 4	Flare	0	3.6	4.3	0.3	64	67	12.5	12	
	303BYF		0.30	4.5	3 / 8					0.3	68	67	12.5	12	
	602BYF		6	0.60	9.0					1 / 4	0.4	71	74	15	12
	603BYF	0.90		13	3 / 8					0.4	78	74	15	12	
	803BYF	1.2		18	3 / 8		0.45			84	75.5	15	14		
	804BYF	8	1.4	21	1 / 2		0.45			90	75.5	15	14		
	1004BYF		10	2.4	36		1 / 2			0.6	96	77	15.5	17	
	1005BYF			2.4	36		5 / 8			0.6	101	77	15.5	17	
	1205BYF	12		3.6	54		5 / 8			0.7	104	82	17	20	
	1606BYF	16	5.6	84	3 / 4		1.1			124	89	19	24		
	302DYF	3	0.27	4.0	1 / 4	0	0.3			123	67	12.5	12		
	303DYF		0.30	4.5	3 / 8		0.3			123	67	12.5	12		
	602DYF		6	0.60	9.0		1 / 4			0.4	140	74	15	12	
	603DYF	0.90		13	3 / 8		0.4			138	74	15	12		
	803DYF	8		1.2	18	3 / 8	0.4			141	75.5	15	14		
	804DYF	8	1.4	21	1 / 2	0.005	0.4			139	75.5	15	14		
	1004DYF		10	2.4	36		1 / 2			0.6	158	77	15.5	17	
	1005DYF			2.4	36		5 / 8			0.6	168	77	15.5	17	
	1205DYF	12		3.6	54		5 / 8			0.7	171	82	17	20	
	1606DYF	16	5.6	84	3 / 4		1.1			196	89	19	24		
	1607DYF		5.6	84	7 / 8		1.1			196	89	19	24		

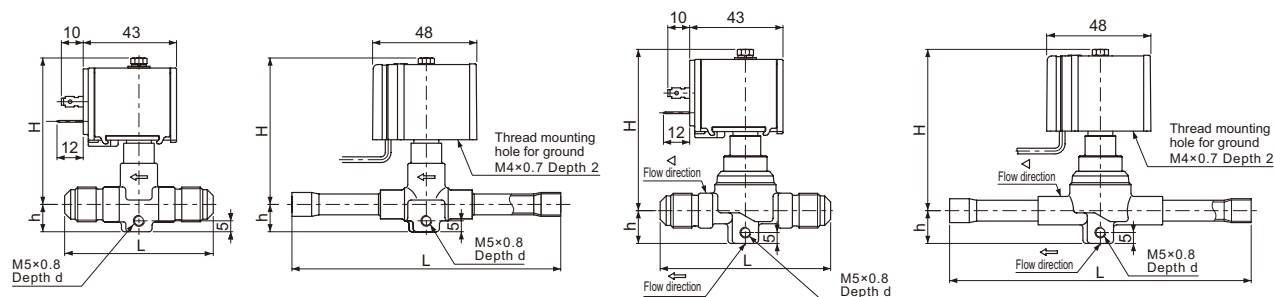
*Nominal capacities(R410A) are based on $\Delta P=0.015$ MPa, condensing temp. $\approx 38^\circ\text{C}$ and evaporating temp. $\approx 5^\circ\text{C}$. *Weight includes a coil (Without Strainer, Flare nuts, Bracket).

ELECTRICAL RATING OF SOLENOID COILS

Rated Voltage	Tolerance (%)	Voltampere (VA)		Power Consumption (W)	Insulation Class	Coil Style	
		Running	Inrush			Lead wire	DIN plug
AC24V	50 / 60Hz	12.5 / 9.5	45 / 44	6 / 4.5	Class B Molded	○	○
AC100V							
AC200V							
AC220V							
AC230V							
AC240V							
AC110V	60Hz	9.5	44	4.5			
AC220-230V	50Hz	10.5-12.5	41-45	5.2-6			

*1 IEC compliance
*2 EN 175301-803 (DIN 43650) / ISO 4400
※Enclosure Lead wire direct:IP67
DIN:IP65(When DIN socket is used)

DIMENSIONS

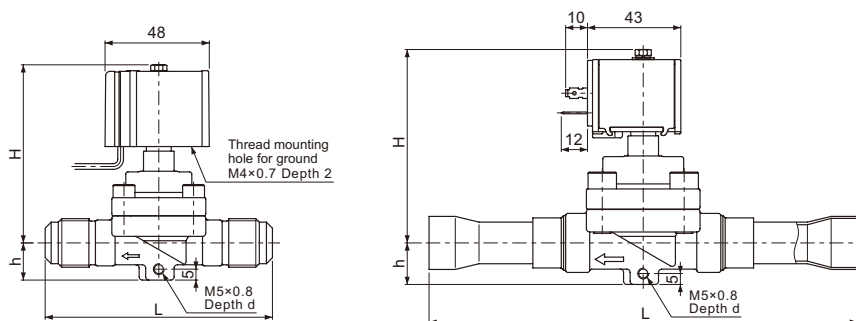


Type RPV-302BYF, 303BYF

Type RPV-302DYF, 303DYF

Type RPV-602BYF to 804BYF

Type RPV-602DYF to 804DYF



Type RPV-1004BYF to 1606BYF

Type RPV-1004DYF to 1607DYF

OPTIONAL PARTS

- DIN socket for DIN plug coil
- Flare Nut

NOTES FOR SAFETY

Failure to read and follow all instruction carefully before installing or operating the product could cause personal injury and/or property damage.

Specifications are subject to change without notice.