

## HIGH PRESSURE SOLENOID VALVES FOR REFRIGERANT / Type RPV



Type RPV-603BYF  
(Lead Wire type)



Type RPV-804DYF  
(DIN plug)

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for the capacity  
table. =>



URL : [https://saginomiya.co.jp/en/auto/pdf/rpv\\_capacity.pdf](https://saginomiya.co.jp/en/auto/pdf/rpv_capacity.pdf)

**Coil sold separately**

### FEATURE

- Normally Closed solenoid valve compatible with R410A and R463A-J refrigerants.
- Energy-saving model with low power consumption while supporting high voltage.
- DIN plug coils are also available.
- Standards : CQC, CE, UKCA (Please contact us for details such as approved specifications.)

### APPLICATIONS

- Condensing units
- Cooling units
- Chillers
- Dehumidifiers
- Air conditioning systems, etc.

### COMMON SPECIFICATION

- Max. working pressure : 4.3 MPa
- Fluid Temperature : -40 ~ 125°C
- Ambient temperature : -30 ~ 50°C
- Normally Closed
- Flare type, Solder type

### DESCRIPTION OF CATALOG NO.

RPV -  $\frac{16}{I} \frac{06}{II} \frac{B}{III} \frac{Y}{IV} \frac{F}{V} \frac{VI}$

I	Type
II	Port Size
III	Connection tube O.D.
IV	Connection type
V	Pressure class
VI	Fluid

\* Coil is not included with the body.  
Please specify the catalog number  
of coil and purchase it separately.

### TYPE NUMBER SELECTION

Catalog No.			Port Size (mm)	Cv Value	Connection		O.P.D. (MPa)		Max. working pressure (MPa)	* Wt. (kg)	
Type	Model	Refrigerant			Style	Connection size	Min.	Max.			
RPV	302BY	F (R410A / R463A-J)	3	0.27	Flare	0	0	0	4.3	0.2	
	303BY			0.30							
	602BY			0.60							
	603BY		0.90								
	804BY		1.4								
	1004BY		2.4								
	1205BY		3.6								
	1606BY		5.6								
	302DY		0.27								
	303DY		0.30								
	602DY		0.60								
	603DY		0.90								
	804DY		1.4								
	1004DY		2.4								
	1205DY		3.6								
	1606DY		5.6								
	1607DY	5.6									
						Copper tube solder (ODF)	0	0.005			0.1
							0	0			0.1
							0	0.005			0.2
						0	0.005			0.4	
						0	0.005			0.5	
						0	0.005			0.9	

\* Valve only (without coil)

## COIL SELECTION

Description of Coil Catalog No.

RPV -  $\frac{A}{I} \frac{1}{II} \frac{R}{III}$

I	Power supply
II	Voltage
III	Coil Style

Power supply / Voltage	
A1	: 100V.AC
A2	: 200V.AC
A3	: 110V.AC
A4	: 220V.AC
A7	: 24V.AC
AA	: 230V.AC
AB	: 240V.AC
AC	: 120V.AC

Coil Style	
R	: Lead Wire type
D	: DIN plug (with socket)
E	: DIN plug (without socket)

Catalog No.	Coil Style	Coil Wt. (kg)	Rated Voltage	Frequency (Hz)	Tolerance (%)	Voltampere (VA)		Power consumption (W)	Insulation Class
						Running	Inrush		
RPV	A1R Lead Wire type	0.15	100V.AC	50/60	± 10	12.5/9.5	45/44	6/4.5	Class B Molded
	A1D DIN plug (with socket)	0.2							
	A1E DIN plug (without socket)	0.15							
	A2R Lead Wire type	0.15	200V.AC * 1						
	A2D DIN plug (with socket)	0.2							
	A2E DIN plug (without socket)	0.15							
	A3R Lead Wire type	0.15	110V.AC						
	A3D DIN plug (with socket)	0.2							
	A3E DIN plug (without socket)	0.15							
	A4R Lead Wire type	0.15	220V.AC * 2						
	A4D DIN plug (with socket)	0.2							
	A4E DIN plug (without socket)	0.15							
	A7R Lead Wire type	0.15	24V.AC						
	A7D DIN plug (with socket)	0.2							
	A7E DIN plug (without socket)	0.15							
	AAR Lead Wire type	0.15	230V.AC * 3						
	AAD DIN plug (with socket)	0.2							
	AAE DIN plug (without socket)	0.15							
	ABR Lead Wire type	0.15	240V.AC * 4						
	ABD DIN plug (with socket)	0.2							
ABE DIN plug (without socket)	0.15								
ACR Lead Wire type	0.15	120V.AC							

See below for \* 1 to \* 4

In case of the following voltage and frequency	Voltampere (VA)		Power consumption (W)
	Running		
* 1 200 ~ 208V.AC (60Hz)	9.5 to 11		4.5 to 5
* 2 220 ~ 230V.AC (60Hz)	10.5 to 12.5		5.2 to 6
* 3 220 ~ 230V.AC (50Hz)	9.5 to 11		4.5 to 5
* 3 230 ~ 240V.AC (60Hz)	10.5 to 12.5		5.2 to 6

- DIN plug socket : EN 175301-803 / ISO4400 (DIN 43650-A)
- Current (A) = Voltampere / Rated Voltage
- IP Lead Wire type : IP67, DIN plug (with socket) : IP65

