Effective Area〔Cv〕

mm²

Basic model	Valve port size	
	-02(Rc1/4)	-03(Rc3/8)
PA24HF5, PA24HF6 PA24HA5, PA24HA6	28〔1.6〕	36〔2.0〕
PA24HF7 PA24HA7	28〔1.6〕	32〔1.8〕
PA24HF8 PA24HA8	28〔1.6〕	1(P)→4(A),2(B) 32〔1.8〕 4(A),2(B)→5(R1),3(R2) 36〔2.0〕
PA24HF9 PA24HA9	28〔1.6〕	1(P)→4(A),2(B) 36〔2.0〕 4(A),2(B)→5(R1),3(R2) 32〔1.8〕
PA24F5, PA24F6, PA24F7 PA24F8, PA24F9 PA24A5, PA24A6, PA24A7 PA24A8, PA24A9	22〔1.2〕	25〔1.4〕

Safe Block Specifications

Basic model	Effective area〔Cv〕 mm²	Response time (ON/OFF) ms
PA24□-H	22〔1.2〕	40/40

Port Size

●Solenoid valves

Basic model	1(P)	4(A), 2(B)	3(R2), 5(R1)	PR
PA24□F□-02	Rc1/4	Rc1/4	Rc1/4	M5×0.8
PA24□F□-03	Rc3/8	Rc3/8	Rc1/4	M5×0.8

Remark: Set the tightening torque for the screws of the solenoid valve PR portion at 29.4N·cm {3kgf·cm} [2.6in·lbf] or less (only when -N is selected).

●Sub-base piping specifications

Basic model	1(P)	4(A), 2(B)	3(R2), 5(R1)	PR	X(P2)
PA24□A□-02-25	Rc1/4	Rc1/4	Rc1/4	M5×0.8	M5×0.8
PA24□A□-03-25	Rc3/8	Rc3/8	Rc3/8	M5×0.8	M5×0.8
PA24□A□-04-25	Rc1/2	Rc1/2	Rc1/2	M5×0.8	M5×0.8

Remark: The PR and X(P2) ports are available for the external pilot specifications (for positive pressure and vacuum) only.
The pilot exhaust of internal pilot type is collected to 5(R1).

●Manifold

Manifold model	1(P)	4(A), 2(B)		3(R2), 5(R1)	PR	X(P2)
		-02	-03			
PAM□F	Rc3/8	(Rc1/4)	(Rc3/8)	Rc3/8	——	——
PAM□F-04	Rc1/2	(Rc1/4)	(Rc3/8)	Rc1/2	——	——
PAM□A	Rc1/2	Rc1/4	Rc3/8	Rc1/2	Rc1/8	——
PAM□B	Rc1/2	Rc1/4	Rc3/8	Rc1/2	Rc1/8	——
PAM□FG	Rc3/8	(Rc1/4)	(Rc3/8)	Rc3/8	Rc1/8	Rc1/8
PAM□FG-04	Rc1/2	(Rc1/4)	(Rc3/8)	Rc1/2	Rc1/8	Rc1/8
PAM□AG	Rc1/2	Rc1/4	Rc3/8	Rc1/2	Rc1/8	Rc1/8
PAM□BG	Rc1/2	Rc1/4	Rc3/8	Rc1/2	Rc1/8	Rc1/8

Remark: The positions of the 4(A) and 2(B) piping ports ( ) are on the solenoid valve side.
The pilot exhaust of PAM□F and PAM□F-04 is collected to 5(R1).

Mass

●Direct piping specification, F type manifold specifications

g [oz.]

Basic model	Mass calculation of each unit (n=number of units)	Solenoid valve single unit (Port size)Note 1						Block-off plate PA-BP
		-02(Rc1/4)			-03(Rc3/8)			
		PA24□F5	**PA24□F6**	**PA24□F7 PA24□F8 PA24□F9**	**PA24□F5**	**PA24□F6**	**PA24□F7 PA24□F8 PA24□F9**	
PAM□F	(80Xn)+90 [(2.82Xn)+3.17]	203 [7.16]	215 [7.58]	241 [8.50]	197 [6.95]	209 [7.37]	235 [8.29]	54 [1.90]
PAM□F-04	(80Xn)+270 [(2.82Xn)+9.52]							

Calculation example: **PBM4F**
stn.1～3 PA24F5-03-G1 D4
stn.4 PA-BP
(80×4)+90+(197×3)+54=1055g [37.21oz.]

Notes: 1. For the wiring specification of DIN connector (-39), add 12g [0.42oz.] to the above, and for the cabtyre cable (-G3), add 3g [0.11oz.].
2. The wiring specifications assume a lead wire length of 300mm [11.8in.].
3. Plug R3/8: 14g [0.49in.], R1/2: 21g [0.74oz.]

●Sub-base piping specification, A type and B type manifold specifications

g [oz.]

Basic model	Mass calculation of each unit (n=number of units)	Solenoid valve single unitNote1			Additional mass (n=number of units)						
					Port size specification					Safe block -H	Block-off plate PA-BP
					Ported manifold			Piping block			
		PA24□A5	**PA24□A6**	**PA24□A7 PA24□A8 PA24□A9**	-02 (Rc1/4)	-03 (Rc3/8)	-04 (Rc1/2)	-B2 (Rc1/4)	-B3 (Rc3/8)		
PA24□A□	——	212 [7.48]	224 [7.90]	250 [8.82]	200 [7.05]	190 [6.70]	260 [9.17]	——	——	——	——
PAM□A	(200Xn)+380 [(7.05Xn)+13.40]				20Xn [0.71Xn]	10Xn [0.35Xn]	——	55Xn [1.94Xn]	46Xn [1.62Xn]	82 [2.89]	54 [1.90]
PAM□B	(200Xn)+390 [(7.05Xn)+13.76]				20Xn [0.71Xn]	10Xn [0.35Xn]	——	55Xn [1.94Xn]	46Xn [1.62Xn]		

Calculation example: **PAM4A-B3**
stn.1～3 PA24A5-G1 D4
stn.4 PA-BP
(200×4)+380+(212×3)+(46×3)+54=2008g [70.83oz.]

Notes: 1. For the wiring specification of DIN connector (-39), add 12g [0.42oz.] to the above, and for the cabtyre cable (-G3), add 3g [0.11oz.].
2. The wiring specifications assume a lead wire length of 300mm [11.8in.].
3. Plug R1/2: 21g [0.74oz.]