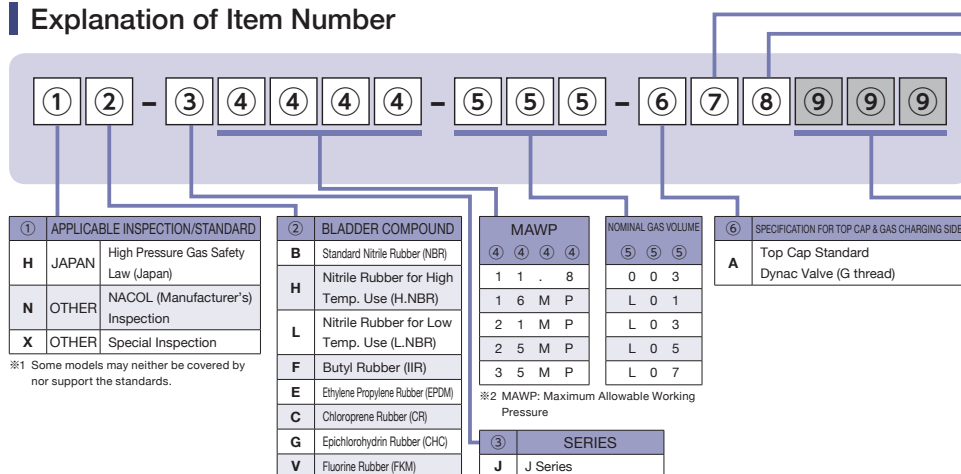
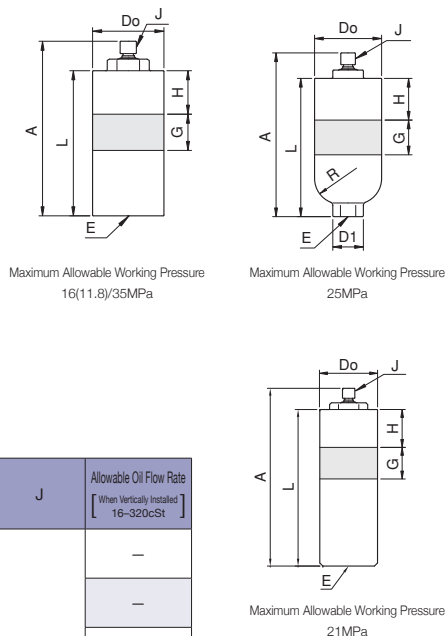


Accumulator

Explanation of Item Number



Dimensional Drawing



Dimensional Table

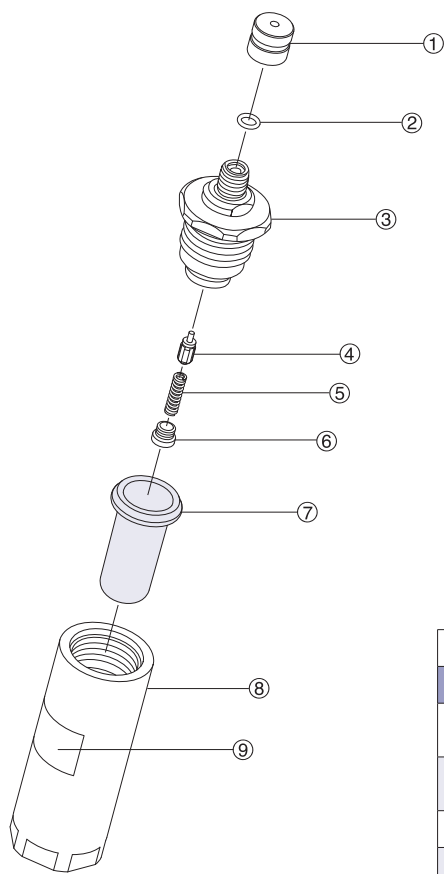
Maximum Allowable Working Pressure MPa	Item Number	Nominal Gas Volume L	Mass kg	A mm	L mm	H mm			G mm	$\phi D_{0\pm 1\%}$ mm	D1 mm	R mm	E	J	Allowable Oil Flow Rate [When Vertically Installed 16~320cSt]
16(11.8) ※7	① ② - J 1 6 M P - 0 0 3 - A B ⑧	0.03	0.39	144 ⁺³ ₀	110	32									—
21	① ② - J 2 1 M P - L 0 7 - X X X 012	0.7	6	302 ⁺³ ₀	267	60									—
25	① ② - J 2 5 M P - L 0 1 - A B ⑧	0.1	2.2	144 ± 3	107	20			50					G1/4	12L/min
	① ② - J 2 5 M P - L 0 3 - A B ⑧	0.3	3.6	244 ± 3	207	60				72	Hex.30	27	Rc3/8		
	① ② - J 2 5 M P - L 0 5 - A B ⑧	0.5	5.7	235 ⁺³ ₀	198					96.5	Hex.41	37	Rc3/4		
35	① ② - J 3 5 M P - L 0 5 - A D X 039	0.5	7	238 ⁺³ ₀	198	60				98	—	—	G1/4	G3/8 ※9	

※7 Dimensions without tolerance indication are for reference. Please confirm the dimensions with the actual product.

※8 For products certified according to the High Pressure Gas Safety Law, Japan, the maximum allowable working pressure is 11.8 MPa.

※9 O-Type Ring Seal (JIS B 2351-1:2000)

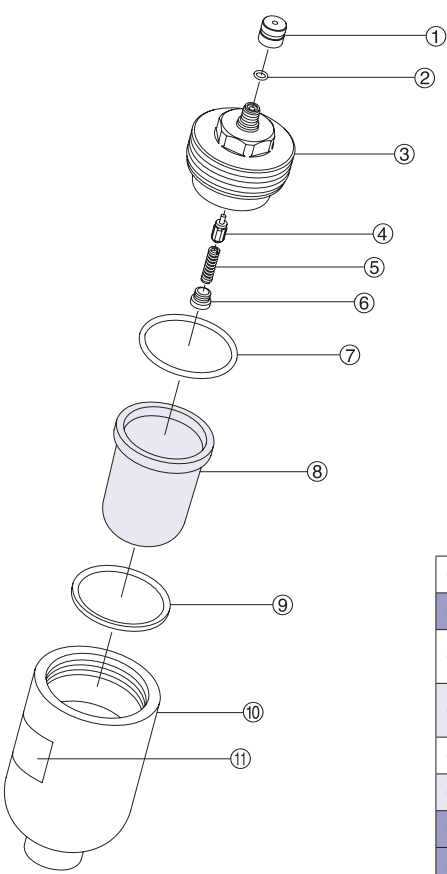
Typical Exploded View



①	Valve Cap
②	O-ring
③	Top Cap With Dynac Valve
④	Dynac Valve Packing With Valve Stem
⑤	Spring
⑥	Spring Nut
⑦	Bladder
⑧	Accumulator Body
⑨	Nameplate

※1 The typical exploded view for this series.
※2 If you purchase ⑦ bladder as the spare parts, ② O-ring will be attached with the bladder.

Typical Exploded View



①	Valve Cap
②	O-ring
③	Top Cap With Dynac Valve
④	Dynac Valve Packing With Valve Stem
⑤	Spring
⑥	Spring Nut
⑦	O-ring
⑧	Bladder
⑨	Seat Ring
⑩	Accumulator Body
⑪	Nameplate

※1 The typical exploded view for this series.
※2 If you purchase ⑧ bladder as the spare parts, ② O-rings will be attached with the bladder.

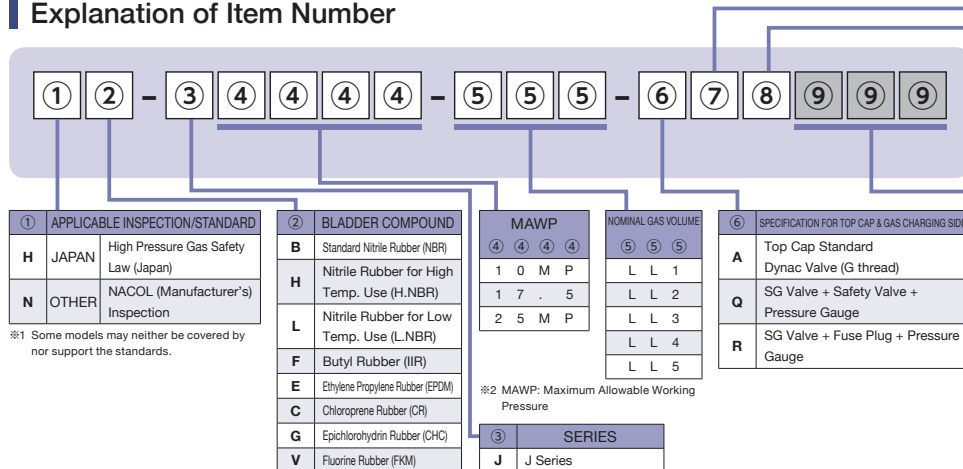
Accessories/Tools

Maximum Allowable Working Pressure (MPa)				11.8/16	21			25	35
Item Number of Accumulator				□□-J11 . 8-003-AB□	□□-J21MP-L07-XXX012			□□-J25MP-L01-AB□	□□-J35MP-L05-ADX039
				N□-J16MP-003-AB□				□□-J25MP-L03-AB□	
								□□-J25MP-L05-AB□	
Optional Parts	Gas Charging Tools Kit 1 			 P204	6GG □□□□ □□□□			6GG □□□□ □□□□	6GH □□□□ □□□□
	For Installation	NACOL Clamp 	 P200	—	—			6K097N(0.5L only)	—
		NORMA Clamp 	 P201	—				6081C095(0.5L only)	
		Base Mounting Plate (Exclusively for NACOL Clamp) 	 P199	—				—	
		Base Mounting Plate (Exclusively for NORMA Clamp) 	 P199	—				—	
Bladder Replacement	Parts	Bladder 	 P210	65□J003A17A	65□JL07TB3A			65□J□□□A17A	65□JL05U16A
		Bladder Back Up Ring 		—				—	
	Tools	Cap Wrench 	 P208	— (Please use a commercially available wrench.)				— (Please use a commercially available wrench.)	
Dynac Valve Replacement (DV Spec.)	Parts	Dynac Valve Packing with Valve Stem 	 P212	645026400A				645026400A	
		Spring 	 P212	645045500				645045500	
		Spring Nut 	 P212	645048200				645048200	
	Tools	Spring Nut Key 	 P212	6TWH04				6TWH04	
For Oil Port Valve Assembly	Tools	Ring Nut Wrench 	 P209	—				—	
Separately Available Parts	Eye Nut (Hanging Tool) 			—				—	
	Valve Cover 			—				—	
	Exclusively for Q/R Spec.	SG Valve 	 P196	—				—	
		Pressure Gauge Containing Glycerol 	 P197	—				—	
		Spring Loaded Type Safety Valve 	 P198	—				—	
		Fuse Plug 	 P197	—				—	

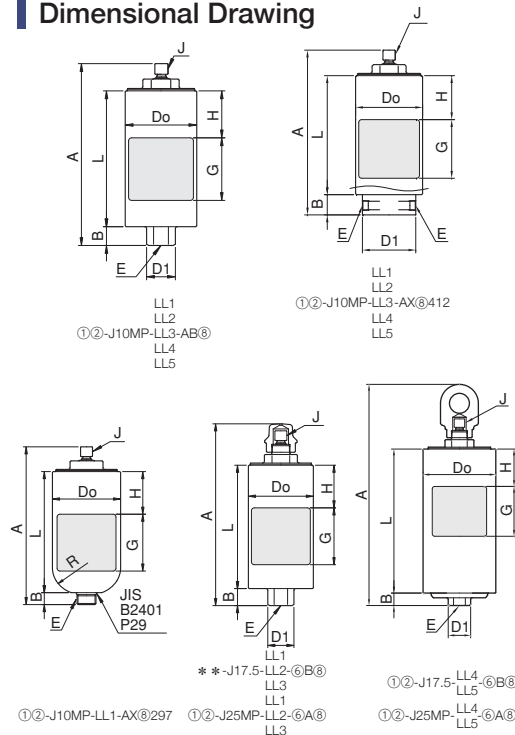
※1 Nitrogen gas charging, inspection, or pressure adjustment requires a gas charging tools kit.
(Only a hose and an adaptor are required for R or Q specification accumulator with SG valve.)

Accumulator

Explanation of Item Number



Dimensional Drawing

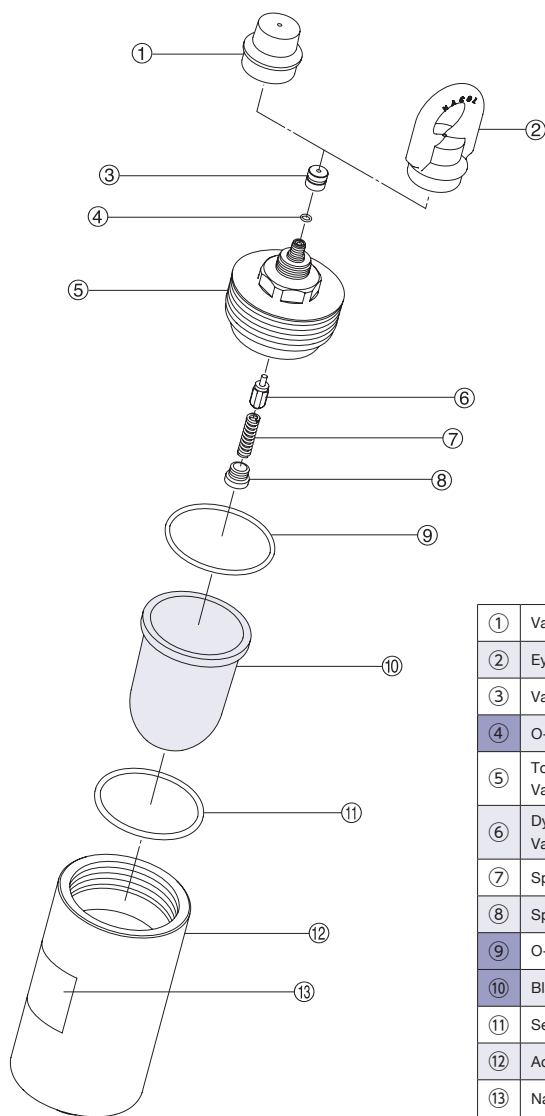


Dimensional Table

Maximum Allowable Working Pressure MPa	Item Number							Nominal Gas Volume L	Mass kg	A ⁺³ ₀ mm	A ⁺⁴ ₀ mm	L mm			B mm	H mm	G mm	φDo=1% mm	D1 mm	R mm	E	J	Allowable Oil Flow Rate L/min [When Vertically Installed 16~320cSt]
10	①	②	- J 1 0 M P - L L 1 - A B	⑧		1	7	277	—		203			30	75	90	114.3	Hex.41	—	Rc3/4	G1/4	60L/min	
	①	②	- J 1 0 M P - L L 2 - A B	⑧		2	9	413		339													
	①	②	- J 1 0 M P - L L 3 - A B	⑧		3	11	531		457													
	①	②	- J 1 0 M P - L L 4 - A B	⑧		4	17	543		470													
	①	②	- J 1 0 M P - L L 5 - A B	⑧		5	20	643		570													
	①	②	- J 1 0 M P - L L 1 - A X	⑧ 412		1	8.7	282	—	203			35	114.3			φ98	—	Rc3/8				
	①	②	- J 1 0 M P - L L 2 - A X	⑧ 412		2	10.7	418		339													
	①	②	- J 1 0 M P - L L 3 - A X	⑧ 412		3	12.7	536		457													
	①	②	- J 1 0 M P - L L 4 - A X	⑧ 412		4	19	548		470													
	①	②	- J 1 0 M P - L L 5 - A X	⑧ 412		5	22	648		570													
①	②	- J 1 0 M P - L L 1 - A X	⑧ 297		1	11	278	—	213			21	120	—			51	G1					
17.5	①	②	- J 1 7 . 5 - L L 1 -	⑥ B	⑧	1	11	318	381	215			30	120			Hex.41	—	Rc3/4				
	①	②	- J 1 7 . 5 - L L 2 -	⑥ B	⑧	2	14	454	517	351													
	①	②	- J 1 7 . 5 - L L 3 -	⑥ B	⑧	3	17	572	635	469													
	①	②	- J 1 7 . 5 - L L 4 -	⑥ B	⑧	4	23	641	486	486													
	①	②	- J 1 7 . 5 - L L 5 -	⑥ B	⑧	5	27	741	586	586													
25	①	②	- J 2 5 M P - L L 1 -	⑥ A	⑧	1	13	318	381	215			30	127				146					
	①	②	- J 2 5 M P - L L 2 -	⑥ A	⑧	2	18	454	517	351													
	①	②	- J 2 5 M P - L L 3 -	⑥ A	⑧	3	23	572	635	469													
	①	②	- J 2 5 M P - L L 4 -	⑥ A	⑧	4	29	641	648	486													
	①	②	- J 2 5 M P - L L 5 -	⑥ A	⑧	5	34	741	748	586													

※6 Dimensions without tolerance indication are for reference. Please confirm the dimensions with the actual product.

Typical Exploded View



①	Valve Cover
②	Eye Nut
③	Valve Cap
④	O-ring
⑤	Top Cap With Dynac Valve
⑥	Dynac Valve Packing With Valve Stem
⑦	Spring
⑧	Spring Nut
⑨	O-ring
⑩	Bladder
⑪	Seat Ring
⑫	Accumulator Body
⑬	Nameplate

※1 The typical exploded view for this series.
※2 If you purchase ⑩ bladder as the spare parts, ④⑨ O-rings will be attached with the bladder.

Accessories/Tools

Maximum Allowable Working Pressure MPa				10				10	17.5	25
Item Number of Accumulator				①②-J10MP-LL1-AX⑧297	①②-J10MP-LL1-AB⑧			①②-J10MP-LL1-AX⑧412	①②-J17.5-LL1-⑥B⑧	①②-J25MP-LL1-⑥A⑧
					①②-J10MP-LL2-AB⑧			①②-J10MP-LL2-AX⑧412	①②-J17.5-LL2-⑥B⑧	①②-J25MP-LL2-⑥A⑧
					①②-J10MP-LL3-AB⑧			①②-J10MP-LL3-AX⑧412	①②-J17.5-LL3-⑥B⑧	①②-J25MP-LL3-⑥A⑧
					①②-J10MP-LL4-AB⑧			①②-J10MP-LL4-AX⑧412	①②-J17.5-LL4-⑥B⑧	①②-J25MP-LL4-⑥A⑧
					①②-J10MP-LL5-AB⑧			①②-J10MP-LL5-AX⑧412	①②-J17.5-LL5-⑥B⑧	①②-J25MP-LL5-⑥A⑧
Optional Parts	Gas Charging Tools Kit ※ 1				☞ P204	6GG ☐ ☐ ☐ ☐ ☐ ☐		6GG ☐ ☐ ☐ ☐ ☐ ☐		
	For Installation	NACOL Clamp		☞ P200	6K120N	6K114N(3L or less) 6K133N(4L or more)		6K114N(3L or less) 6K133N(4L or more)	6K120N(3L or less) 6K139N(4L or more)	6K127N(3L or less) 6K146N(4L or more)
		NORMA Clamp		☞ P201	6081C120	6081C114(3L or less) 6081C133(4L or more)		6081C114(3L or less) 6081C133(4L or more)	6081C120(3L or less) 6081C140(4L or more)	6081C128(3L or less) 6081C146(4L or more)
		Base Mounting Plate (Exclusively for NACOL Clamp)		☞ P199	—			—		
		Base Mounting Plate (Exclusively for NORMA Clamp)		☞ P199	—			—		
Bladder Replacement	Parts	Bladder		☞ P210	65②J⑤⑤⑤A17A			65②J⑤⑤⑤A17A		65②J⑤⑤⑤35CA
		Bladder Back Up Ring			—			—		
	Tools	Cap Wrench		☞ P208	— (Please use a commercially available wrench.)			— (Please use a commercially available wrench.)		
Dynac Valve Replacement (DV Spec.)	Parts	Dynac Valve Packing with Valve Stem		☞ P212	645026400A			645026400A		
		Spring		☞ P212	645045500			645045500		
		Spring Nut		☞ P212	645048200			645048200		
	Tools	Spring Nut Key		☞ P212	6TWH04			6TWH04		
For Oil Port Valve Assembly	Tools	Ring Nut Wrench		☞ P209	—			—		
Separately Available Parts	Eye Nut (Hanging Tool)				—			—	6HTM32	
	Valve Cover				—			—	645049608	
	Exclusively for Q/R Spec.	SG Valve		☞ P196	—			—	6H ☐ - AV35MP-F03-M32A	
		Pressure Gauge Containing Glycerol		☞ P197	—			—	6018DUF0206 ☐ ☐ ☐ ☐ G	
		Spring Loaded Type Safety Valve		☞ P198	—			—	6H-SV ☐ ☐ ☐ ☐ - 03-F03	
		Fuse Plug		☞ P197	—			—	6H-FP35MP-03-F03	

※1 Nitrogen gas charging, inspection, or pressure adjustment requires a gas charging tools kit.
(Only a hose and an adaptor are required for R or Q specification accumulator with SG valve.)