

Pursuit of outdoor equipment requirements,

Proven durability for outdoor use

- Compound cycle test (JIS H8502:1999) 960 hours cleared
 Durability related to coating on metal parts
- Accelerated durability (sunshine weather meter test) cleared 1000 hours
 Durability of resin parts
- Ozone exposure test (JIS D0205:1987) 400 hours cleared
 Durability for rubber and gaskets

Accelerated weather resistance test

3 Years

equivalent

Combined cycle test

7 Years equivalent

400 Hours

Ozone exposure

Lineup of products compatible with min. ambient temp. of -20°C

Expanded range for use in harsh environments



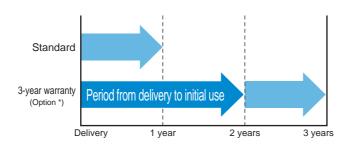
Each product has a maximum warranty of 3 years

Long-term peace of mind (option)

In order to support plants and overseas, the product is guaranteed for a period of three years from the date of delivery or for a period of one year from the start of use, whichever comes first.

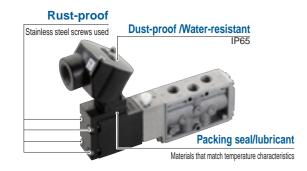
(with inspection certificate, inspection guidelines, drawings, traceability system diagram)

* Cylinders, speed controllers and silencers are excluded.



*A statement of specifications is exchanged to clarify the warranty period.

Cylinders, speed controllers and silencers are excluded. Parts with consideration for weather resistance



All-metal

Weather resistance improved for general-purpose items such as covers and gauge plugs

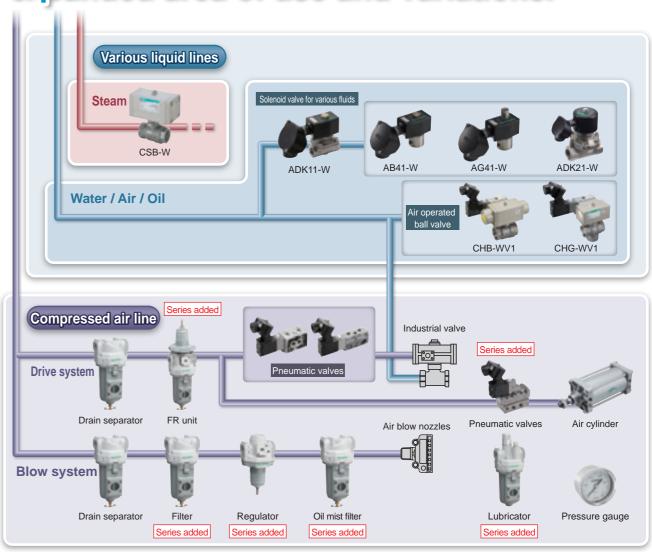
Lens

Tempered glass specifications

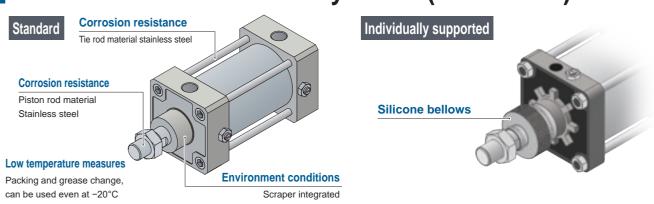




expanded area of use and variations.



Outdoor series even for air cylinders (ø40 to ø250)





Compressed air line

Drain separator / F.R.L. unit

Drain separator **FXW** Series

P.1

P.9

P.21

P.13

	Acres - Frein
np. ty	1000
to °C	100
•	
•	
	314

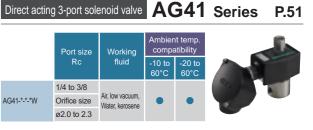
Air filter	FW Series	P.5

	Port size	Max. flow		nt temp. atibility	
	Rc,NPT,G	rate m³/min	-10 to 60°C	-20 to 60°C	
FW3000-W	1/4, 3/8	1.23/1.5			
FW4000-W	1/4, 3/8, 1/2	1.32/ 2.14/3.0		•	
FW8000-W	3/4, 1	6.4/6.8			
Oil mist filter MW Series					



Various fluid lines

Fluid control valves



P.17

P.25

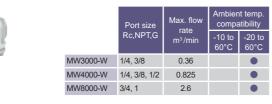
	Port size	Max. flow		nt temp. atibility
	Rc,NPT,G	m ³ /min	-10 to 60°C	-20 to 60°C
RW3000-W	1/4, 3/8,	2.0/2.6		
RW4000-W	1/4, 3/8, 1/2	2.5/4.4/5.0		
DM/0000 M/	2/4 4	14 0/11 0		

FXW1011 1/4, 3/8, 1/2 1.8

Regulator RW Series

F.R. unit WW Series

3/4, 1 6.1



F.R. unit **BW7019**



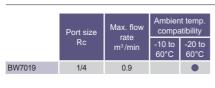
Air operated ball valve CHB/G-W, -WV, -WX Series P.63

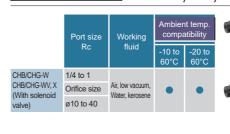
Pilot kick 2-port solenoid valve ADK11 Series

	Port size	Working		nt temp. atibility					
	Rc, flange	fluid	-10 to 60°C	-20 to 60°C					
	1 _{1/4} to 2 32F, 40F, 50F	Air, low			1 M				
ADK21-*-*W	Orifice size	vacuum, Water,	,	,	vacuum, Water, kerosene	,	•	•	450
	ø35 to 53	ROTOGOTIC			Viana Maria				

Pilot kick 2-port solenoid valve ADK21 Series

	Port size	Max. flow rate	Ambier compa	it temp. atibility	1
	Rc,NPT,G	m³/min	-10 to 60°C	-20 to 60°C	912
V3000-W	1/4, 3/8, 1/2	2.15/2.43/ 2.43		•	1
V4000-W	1/4, 3/8, 1/2	2.5/4.35/ 4.75		•	13
V8000-W	3// 1	10			(0)





	Port size	Working	Ambier compa	
	Rc	fluid	-10 to 60°C	-20 to 60°C
	3/8 to 1			
CSB-W	Orifice size	Steam/hot water	•	
	ø10 to 40	mato.		

Lubricator	LW	Series
		OCHICS

I W4000-W

Port size	Max. flow	Ambier compa	
Rc,NPT,G	m ³ /min	-10 to 60°C	-20 to 60°C
1/4, 3/8,	1.1/2.25	•	
1/4, 3/8, 1/2	1/1.7/ 2.7		
3/4, 1	6.3/10.0		





	Port size	Pressure	Ambier compa		
Rc	Rc	range MPa	-10 to 60°C	-20 to 60°C	
/49D	1/8, 1/4	0 to 1.0		•	



Pneumatic valves

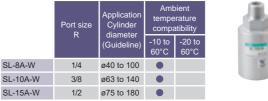
4F Series P.31, P.39

	Port size			nt temp. atibility	
	FUIL	. 5126	-10 to 60°C	-20 to 60°C	100
4F2-*-W	D _m NDT C	1/4,			
4F3-*-W	Rp, NPT, G	1/4, 3/8			
4F4-*-W		1/4, 3/8		A	and the second
4F5-*-W	D- NDT O	3/8, 1/2		A	422
4F6-*-W	Rc, NPT, G	1/2, 3/4		A	
4F7-*-W		3/4, 1			
4F NAMUR Series P.35					



Pneumatic auxiliary components

	Port size			nt temp. atibility
			-10 to 60°C	-20 to 60°C
2-*-W	Rp, NPT, G	1/4,	•	
3-*-W		1/4, 3/8		
4-*-W	Rc, NPT, G	1/4, 3/8		
5-*-W		3/8, 1/2		
6-*-W		1/2, 3/4		
7-*-W		3/4, 1	•	



SC1-W Series	P.30		

	Port size		nt temp atibility	400	Po		Application Cylinder	Ambient temp compatibility	
	Rc	-10 to 60°C	-20 to 60°C			Rc	diameter (Guideline)	-10 to 60°C	-20 to 60°C
4F1-NM-*-W	1/4	•		The state of the s	SC1-8-W	1/4	ø32 to 75	•	
4F3-NM-*-W	1/4, 3/8				SC1-10-W	3/8	ø50 to 140		
					SC1-15-W	1/2	ø80 to 160	•	

SL-8A-W

SL-10A-W 3/8

1/4



Drive components

Pneumatic cylinders

Medium bore size cylinder SCA2-W, SCS2-W Series

	Bore size	Ambient temperature compatibility			
		-10 to 60°C	-20 to 60°C		
SCA2-*-W	ø40 to 100			9	
SCS2-*-W	ø125 to 250			- 4	100
				API	16



P.83, P.87

