Components for integrated gas supply system

Air operated valve for IAGD5 (Size 1.125")

Made-to-order product

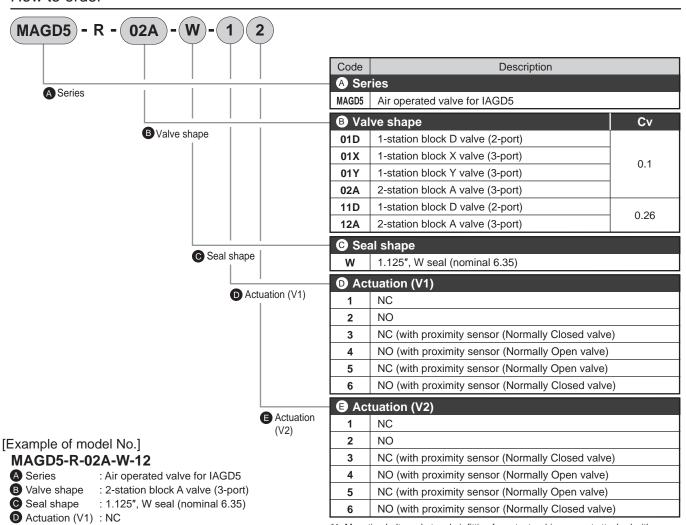
MAGD Series is back with a new eco-friendly design!



Specifications

Specification 10						
Item			MAGD5-R-0	MAGD5-R-1		
Working fluid			Inert gas/process gas			
Working pressurePa (abs) to MPa (G)			1.3×10 ⁻⁶ to 0.99	1.3×10 ⁻⁶ to 0.7		
Fluid temperature °C			-10 to 80			
Ambient temperature °C			-10 to 80			
Valve seat leakage Pa•m3/s.He			1.3×10 ⁻⁹ or less	1.0×10 ⁻¹⁰ or less		
External leakage Pa•m3/s.He			2.8 x 10-12 or less			
Cv ((23°C, under pressuriz	ation)	0.1	0.26		
Connection			1.125", W seal (nominal 6.35)			
Operating pressure MPa NC			0.4 to 0.6			
NO		NO	0.4 to 0.5			
Оре	erating port		M5			
ā	Body		SUS316L			
Material	Diaphragm		Ni-Co alloy			
Ž	Seat		PCTFE			

How to order

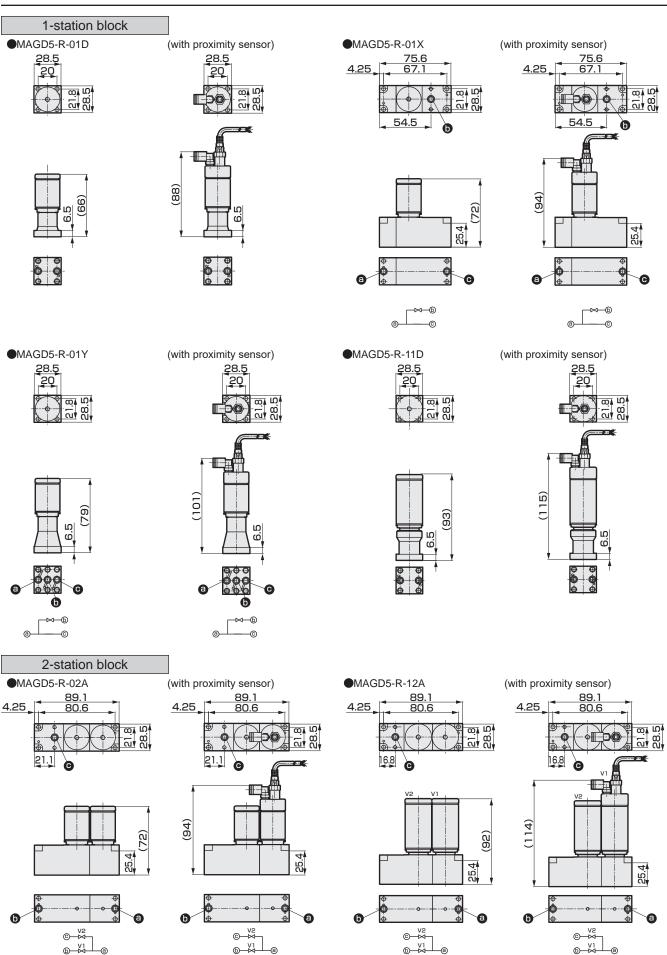


Mounting bolt, gasket and air fitting for actuator drive are not attached with the product and must be purchased separately.

Actuation (V2) : NO

^{*2:} Contact CKD for products with mounting bolts.

Dimensions



Integrated Gas System series

IAGD5

Components for integrated gas supply system Manual valve for IAGD5

(Size 1.125")

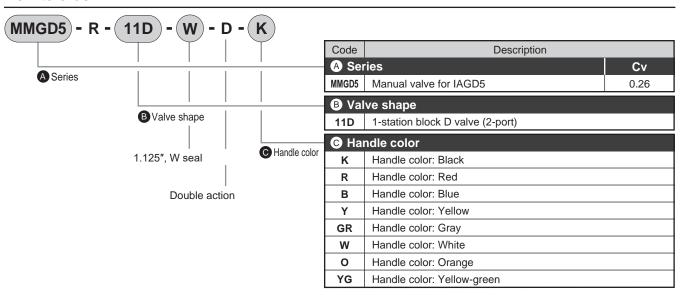
Made-to-order product



Specifications

Item		MMGD5-R		
Working fluid		Inert gas/process gas		
Worl	king pressure Pa(abs)-MPa(G)	1.3×10 ⁻⁶ to 0.99		
Fluid temperature °C		5 to 80		
Ambient temperature °C		5 to 80		
Valve seat leakage Pa∙m3/s (He)		1.0×10 ⁻¹⁰ or less		
Exte	ernal leakage Pa •m3/s (He)	2.8 x 10-12 or less		
Cv		0.26		
Coi	nnection	1.125", W seal (nominal 6.35)		
a	Body	SUS316L		
Material	Diaphragm	Ni-Co alloy		
Ĕ	Seat	PCTFE		

How to order



[Example of model No.]

MMGD5-R-11D-W-D-K

A Series : Manual valve for IAGD5
B Valve shape : 1-station block D valve (2-port)

C Handle color : Black

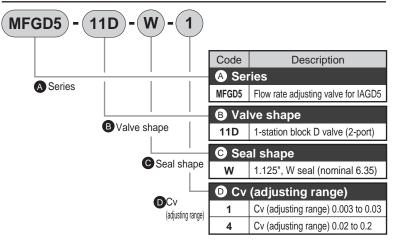


Specifications

Item		MFGD5-11D-W-1	MFGD5-11D-W-4		
Working fluid		Inert gas/process gas			
Work	ing pressure Pa(abs)-MPa(G)	1.3 × 10-6 to 0.7			
Flui	d temperature °C	-10 to 80			
Aml	oient temperature °C	-10 to 80			
Valv	ve seat leakage	1/100 or less of max. Cv			
Exte	rnal leakage Pa·m3/s (He)	2.8 x 10-12 or less			
Cv (adjusting range)		0.003 to 0.03	0.02 to 0.2		
Cor	nnection	1.125", W seal (nominal 6.35)			
Material	Body	SUS316L			
Mate	Diaphragm	Ni-Co alloy			

^{*} Cover is included with the product.

How to order



- *1: Mounting bolt and gasket are not attached with the product and must be purchased separately.
- *2: Contact CKD for products with mounting bolts.

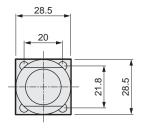
[Example of model No.]

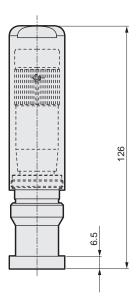
MFGD5-11D-W-1

: Flow rate adjusting valve for IAGD5 B Valve shape: 1-station block D valve (2-port) © Seal shape: 1.125", W seal (nominal 6.35) : Cv (adjusting range) 0.003 to 0.03

Dimensions

●MFGD5







Integrated Gas System Series IAGD5

Components for integrated gas supply system Check valve for IAGD5

(Size 1.125")

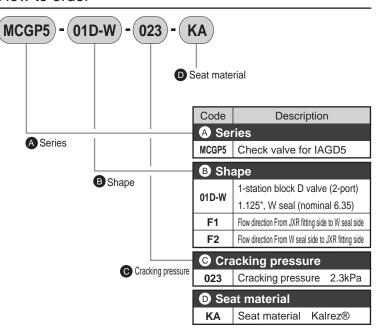
Made-to-order product



Specifications

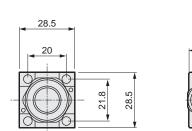
Descriptions	MCGP5-01D	MCGP5-F		
Working fluid	Inert gas/process gas			
Working pressure Pa(abs)-MPa(G)	1.3 x 10 ⁻⁶ to 0.7			
Fluid temperature °C	-10 to 80			
Ambient temperature °C	-10 to 80			
Valve seat leakage Pa·m³/s (He)	4.7 x 10 ⁻⁸ or less			
External leakage Pa·m³/s (He)	2.8 x 10 ⁻¹² or less			
Cv (max.)	0.25			
Connection	1.125", W seal (nominal 6.35)			
<u>ख</u> Body	SUS	SUS316L		
Seat Spring	Kalrez ®			
Spring	SUS316			

How to order



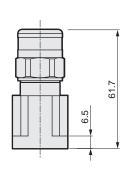
Dimensions

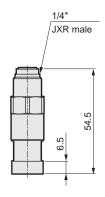
●MCGP5-01D





●MCGP5-F*





- *1: Mounting bolt and gasket are not attached with the product and must be purchased separately.
- *2: Contact CKD for products with mounting bolts

[Example of model No.]

MCGP5-01D-W-023-KA

A Series : Check valve for IAGD5 **B** Shape : 1-station block D valve (2-port)

: 1.125", W seal (nominal 6.35)

C Cracking pressure: 2.3kPa Seat material : Kalrez®





IAGD5

Components for integrated gas supply system Other components for IAGD5

Gasket

Name	Model No.
1.125", W seal gasket (nominal 6.35)	IAGD5-UGC-6.35GR



1.125", Mounting bolt for W seal



Name	Model No.	Applicable parts
1.125", Hexagon socket head cap screw for W seal (M5 x 4, 10,1 pcs)	IAGD5-BOLT-M4×10	MAGD5-R-01D
		MAGD5-R-01Y
		MAGD5-R-11D
		MMGD5-1DV2-D
		MCGP5-01D
		MCGP5-F*
		MFGD5-11D
		IAGD5-BYPASS
		Bypass piping block
		IAGD5-BLIND-SW
1.125", Hexagon socket head cap screw for W seal (M5 x 4, 30,1 pcs)	IAGD5-BOLT-M4×30	MAGD5-R-01X
		MAGD5-R-02A
		FC-PA785CT-BW-TC (MFC manufactured by Hitachi Metals)
		FC-PA786CT-BW-TC (MFC manufactured by Hitachi Metals)
		DN780*-BW (MFC manufactured by Hitachi Metals)
		SEC-Z5* (MFC manufactured by Horiba Estek)

Contact CKD for details of applicable parts.

Maintenance tools (Torque screwdriver, bit for torque screwdriver, T handball point wrench, tweezers (gasket installation tool), scissors, storage box 1 each)

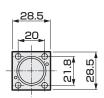
***	•	,,	,	0	,
Name		Model No.			
Maintenance tool set		IAGD5-MAIN	TENAN	CE3	

Refer to the instruction manual for details of use.



Top mount block

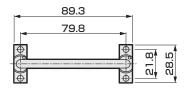
●IAGD5-BYPASS (for 20 mm pitch between)

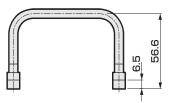






Bypass piping block (for 79.8 mm pitch between MFC)







●IAGD5-BLIND-SW







Base block

●IAGD5-BF-V10-SW (10 mm between)





●IAGD5-BF-V14-SW (14.0 mm between)

