



Air operated valve for chemical liquids

Liquid discharge valve (2-port valve) LYX Series

- Connection PVC union fitting, nominal 25 to 75, JIS 5K flange, nominal 80, 100

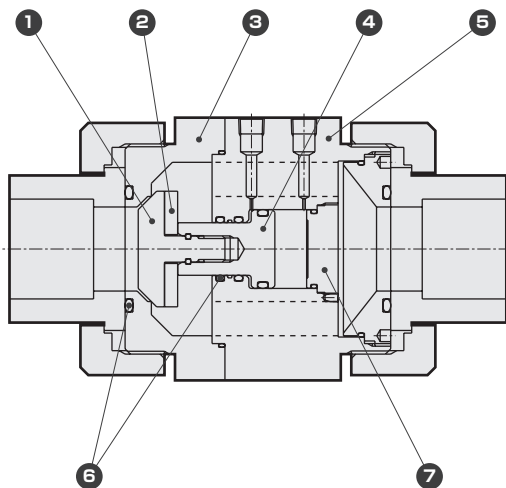
Specifications

Item		LYX-0877	LYX-0878	LYX-0879	LYX-0880	LYX-1451	LYX-1452	LYX-1453	LYX-1454
Working fluid		Chemical liquid, pure water (*1)							
Fluid temperature °C		5 to 90 °C				5 to 50 °C		5 to 80°C	
Proof pressure MPa		0.1							
Working pressure MPa		0.02							
Valve seat leakage cm³/min		0 (water pressure)							
Ambient temperature °C		0 to 40							
Frequency		6 cycles/min. or less							
Mounting orientation		Unrestricted							
Connection		PVC union fitting integrated						JIS 5K flange	
Port size		25	30	40	50	65	75	80	100
Orifice size		ø25	ø32	ø40	ø50	ø65	ø78	ø78	ø100
Operating section	Operating pressure MPa	0.4 to 0.5							
	Operating port	Rc1/8							
Weight kg		0.4	0.85	0.85	1.4	3.3	3.7	5.6	4.8

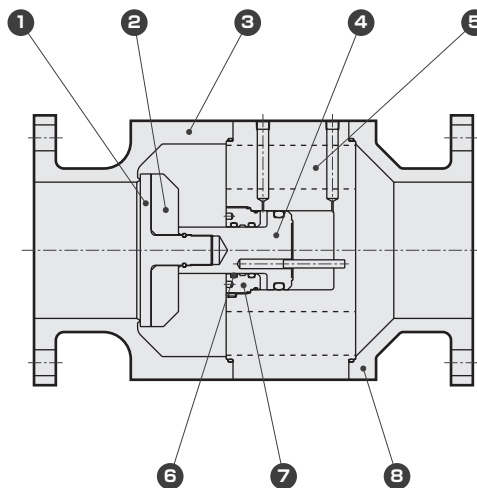
*1: Check the compatibility of product structural materials, working fluids and atmosphere.

Internal structure and parts list

●LYX-0878



●LYX-1454



Part No.	Part name	Material (O-ring material)	
		A	I
1	Main valve	PTFE	
2	Spacer	PP	
3	Body	PP	
4	Piston rod	PP	
5	Cylinder	PP	
6	O-ring	EPDM	FKM
7	Cylinder cap	PP	
8	OUT port	PP	

The material and structure may vary depending on the model number. Contact CKD for details.

⚠ Always read the precautions on Intro Pages 7 to 14 before use.

Liquid discharge valve (2-port valve)

How to order

How to order

●PVC union fitting integrated

LYX - 0877-25AU - 2P A

① Connection

② O-ring material

		① Connection					
		0877-25AU	0878-32AU	0879-40AU	0880-50AU	1451-65AU	1452-75AU
		PVC union fitting					
		Nominal 25	Nominal 30	Nominal 40	Nominal 50	Nominal 65	Nominal 75
Code	Description	ø25	ø32	ø40	ø50	ø65	ø75
② O-ring material							
A	EPDM	●	●	●	●	●	●
I	FKM	●	●	●	●	●	●

●Flange connection

LYX - 1453-80F - 2P A

① Connection

② O-ring material

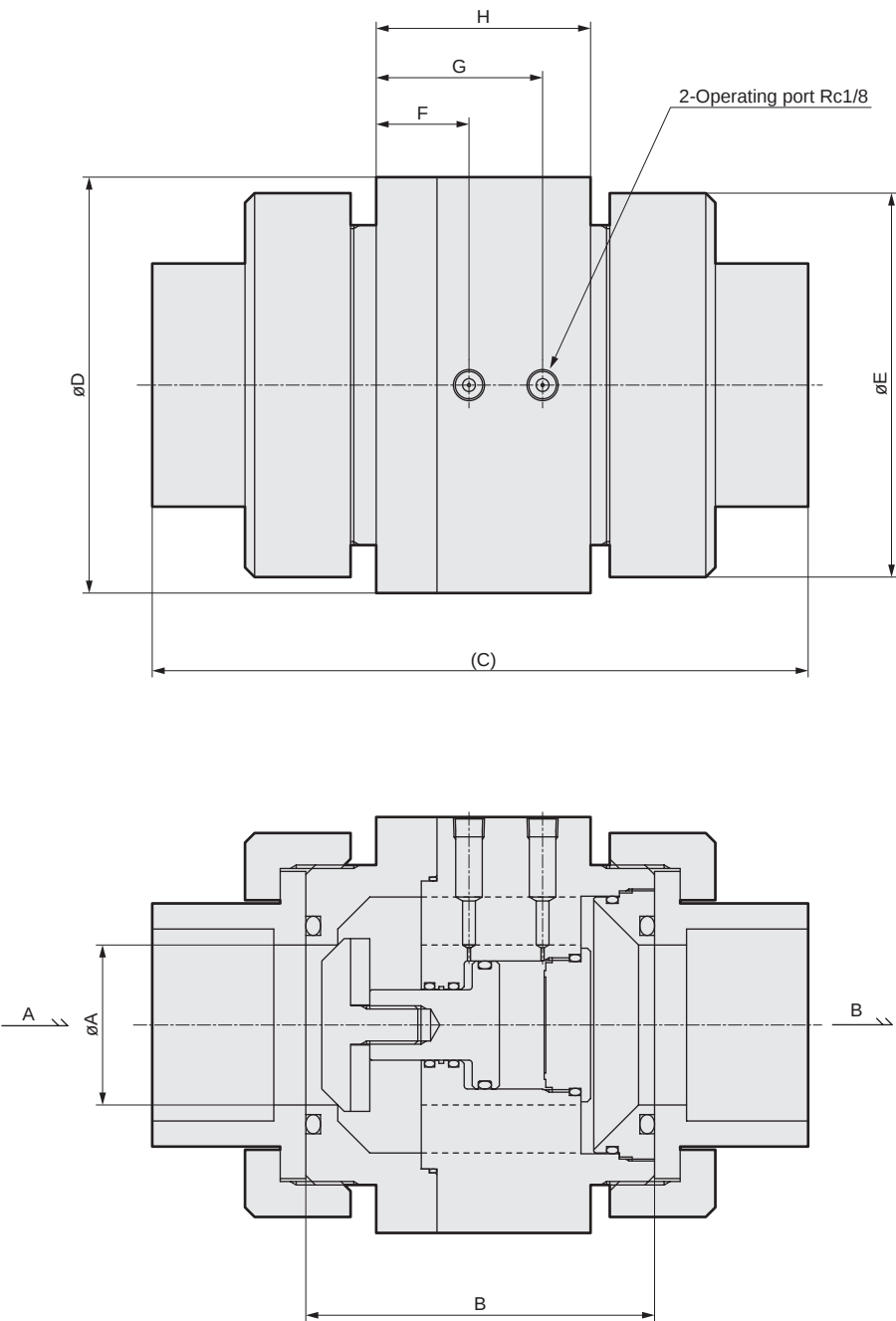
		① Connection	
		1453-80F	1454-100F
		JIS 5K flange	
		Nominal 80	Nominal 100
Code	Description	ø75	ø100
② O-ring material			
A	EPDM	●	●
I	FKM	●	●

Part3R	Part2	Part1	High pressure	Metal-free	Large bore size	Polyvinyl chloride	Drainage
Part3RN	Part2	High pressure	Metal-free	Large bore size	Single unit	Air operated integrated	Pilot
Manual valve	Manual valve	Manual valve	Manual valve	Manual valve	Manual valve	Manual valve	Manual valve
Regulator	Regulator	Regulator	Regulator	Regulator	Regulator	Regulator	Regulator
Flow rate adjusting valve	Flow rate adjusting valve	Flow rate adjusting valve	Flow rate adjusting valve	Flow rate adjusting valve	Flow rate adjusting valve	Flow rate adjusting valve	Flow rate adjusting valve
Fine level Switch	Fine level Switch	Fine level Switch	Fine level Switch	Fine level Switch	Fine level Switch	Fine level Switch	Fine level Switch
Related products	Related products	Related products	Related products	Related products	Related products	Related products	Related products

Liquid discharge valve (2-port valve)

Dimensions

● PVC union fitting integrated



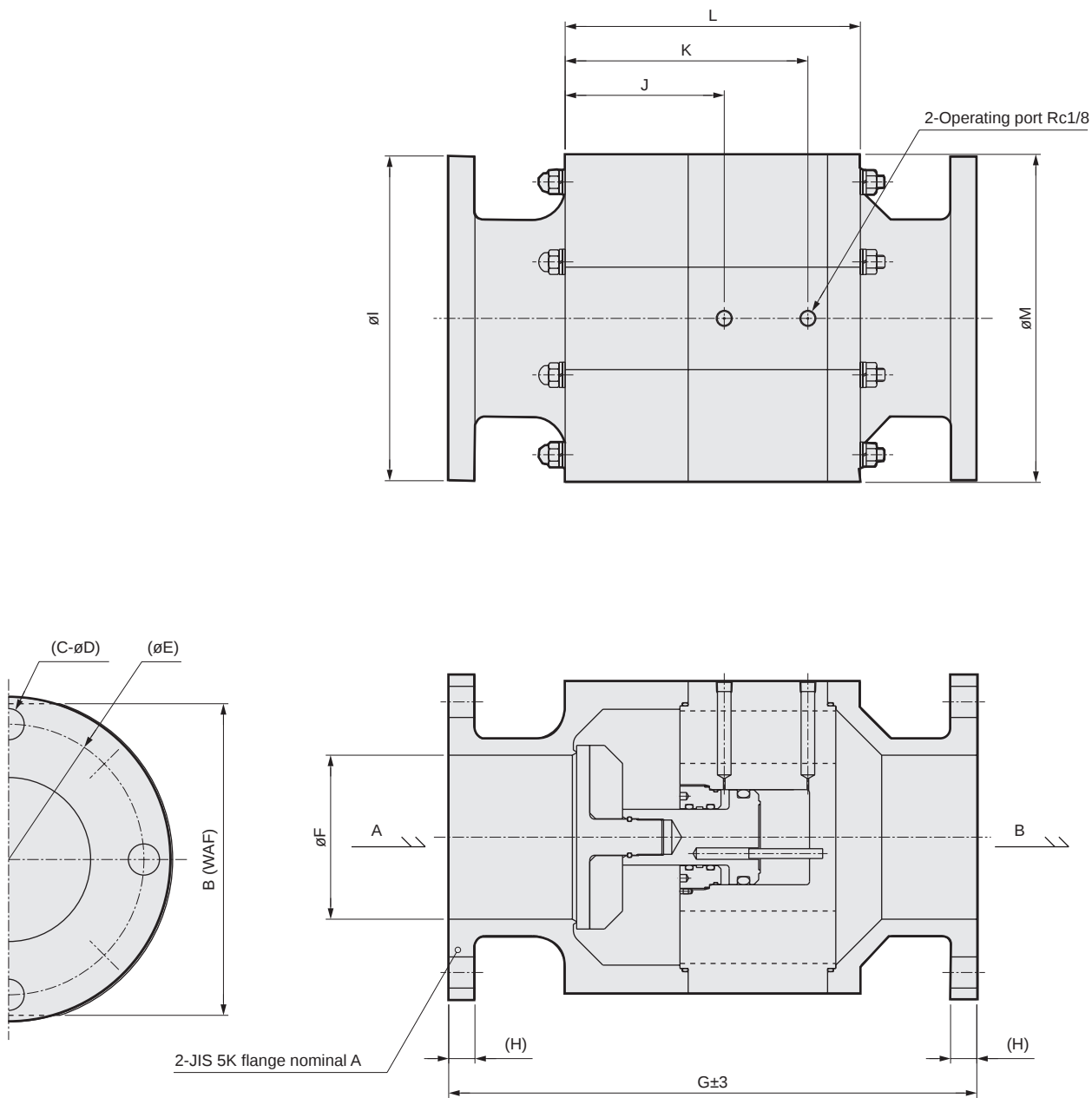
Dimensions	A	B	C	D	E	F	G	H
Model No.								
LYX-0877-25AU	25	75	147	76	70	18	32	45
LYX-0878-32AU	32	101	189	100	96	29	49	63
LYX-0879-40AU	40	101	183	100	96	29	49	63
LYX-0880-50AU	50	109	205	130	120	29	52	67
LYX-1451-65AU	65	170	310	160	154	61.5	95	110
LYX-1452-75AU	78	175	320	170	164	61	99	115

Liquid discharge valve (2-port valve)

Dimensions

Dimensions

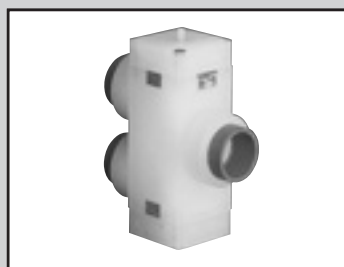
- Flange connection



Note: Dimensions in () follow JIS 5K flange shape.

Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	M
Model No.													
LYX-1453-80F	80	166	4	19	145	78	310	14	180	91	129	170	170
LYX-1454-100F	100	190	8	19	165	100	322	16	198	97	148	180	195

Part3R	Part2	Part1	High pressure	Meta-free	Large bore size	Polyvinyl chloride	Drainage	Part3RN	Part2	High pressure	Meta-free	Large bore size	Single unit	Air operated Integrated	Pilot	Manual	Electric	Manual	Manual Fine flow rate	Fine level Switch	Related products
			Air operated valve			Manual valve				Drip prevention valve			Regulator				Flow rate adjusting valve				



Air operated valve for chemical liquids

Liquid discharge valve (3-port valve) Series

- Connection PVC union fitting, Nominal 30, 40, 50

Specifications

Item	LYX-0882	LYX-0883	LYX-0884
Working fluid	Chemical liquid, pure water (*1)		
Fluid temperature °C	5 to 90		
Proof pressure MPa	0.1		
Working pressure MPa	0.02		
Valve seat leakage cm ³ /min	0 (water pressure)		
Ambient temperature °C	0 to 40		
Frequency	6 cycles/min. or less		
Mounting orientation	Unrestricted		
Port size (PVC union integrated fitting)	Nominal 30	Nominal 40	Nominal 50
Orifice size	ø32	ø40	ø50
Operating pressure MPa	0.4 to 0.5		
Operating port	Rc1/8		
Weight kg	1.9	1.9	2.6

*1: Check the compatibility of product structural materials, working fluids and atmosphere.

How to order

LYX - 0882-32AU - 3P A

① Connection

② O-ring material

① Connection

0882-32AU	0883-40AU	0884-50AU
PVC union fitting		
Nominal 30	Nominal 40	Nominal 50
ø32	ø40	ø50

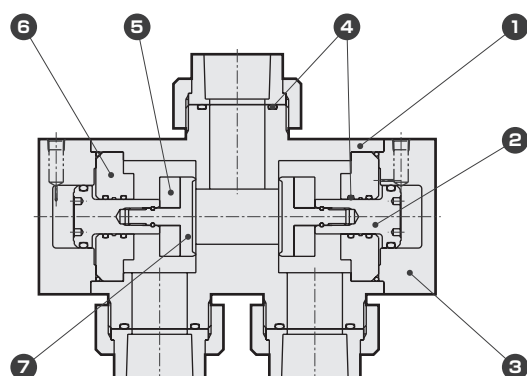
Code	Description	Orifice size
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② O-ring material

A	EPDM			
I	FKM			

Internal structure and parts list

● LYX-0882



Part No.	Part name	Material (O-ring material)	
		A	I
1	Body	PP	
2	Piston rod	PP	
3	Cylinder	PP	
4	O-ring	EPDM	FKM
5	Spacer	PP	
6	Cylinder adaptor	PP	
7	Main valve	PTFE	

The material and structure may vary depending on the model number. Contact CKD for details.

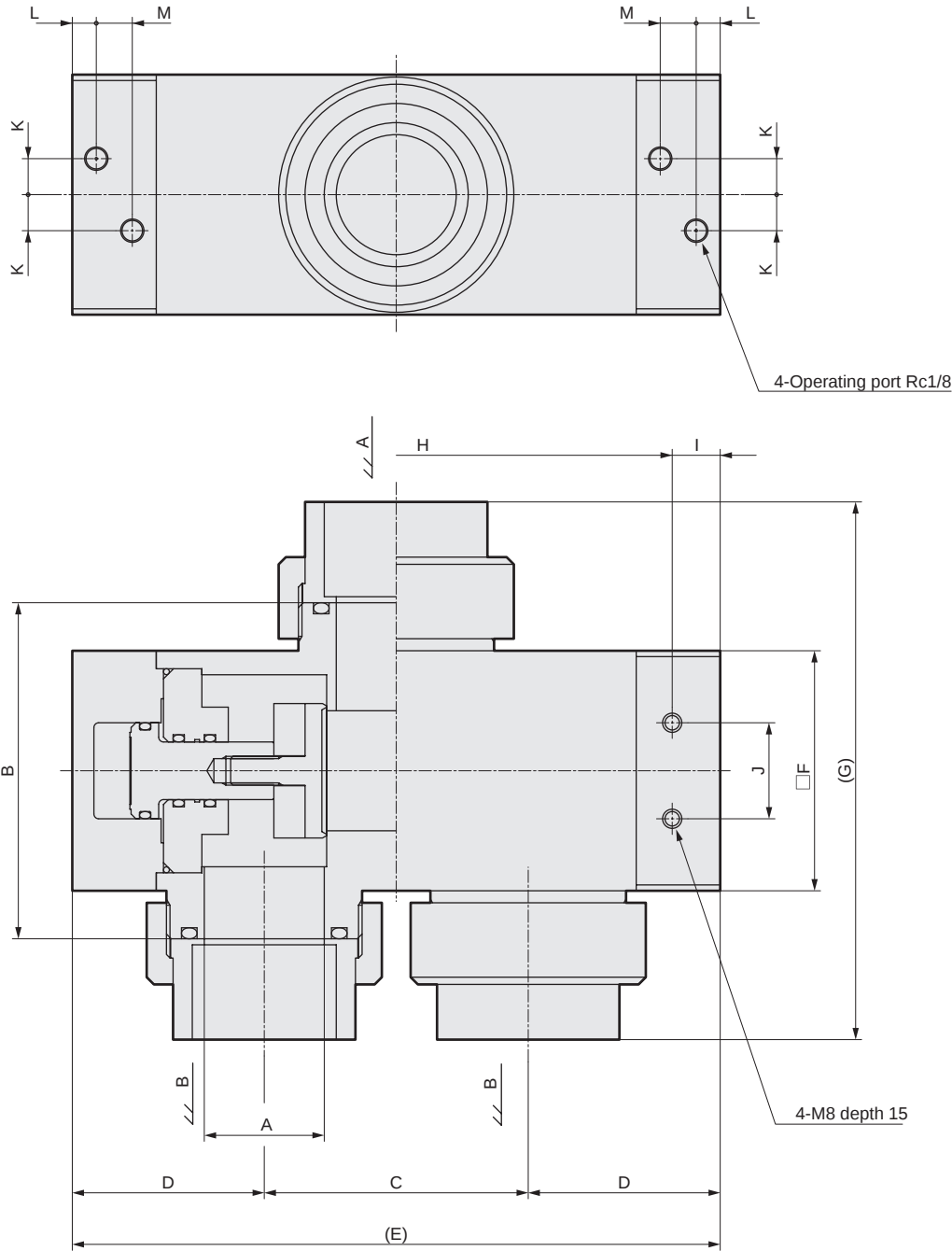
⚠ Always read the precautions on Intro Pages 7 to 14 before use.

CKD

Liquid discharge valve (3-port valve)

Dimensions

Dimensions



Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	M
Model No.													
LYX-0882-32AU	32	130	90	70	230	90	190	200	15	40	15	10	10
LYX-0883-40AU	40	130	90	70	230	90	198	200	15	40	15	10	10
LYX-0884-50AU	50	140	110	80	270	100	224	230	20	40	15	10	15