

AIR RELEASE VALVE, ISOLATING VALVE

<Mede of PDCPD>

Features

- Light weight and compact synthetic resin quick air release valve with adequate measures to deal with foreign substance.
- Excellent cut off performance at low pressure (4.9KPa).
- Discharges air at a high rate and reduces the time for water filling/release.
- The isolating valve is equipped with a pressure gauge mounting tap as standard (75 - 200 mm).



Basic specifications

- Valve Type : Air Release Valve, Isolating Valve
Applicable for shallow layer burial <Mede of PDCPD>
- Size : 25mm (1"), 75mm (3") - 200mm (8")
- Body Material : PDCPD, HI-PVC
- Seal Material / O-ring : EPDM, SBR
- Connection / Flanged : JIS B2220 7.5K, JIS B2220 10K, JIS B2220 16K
Threaded : R

NOMINAL PRESSURE	FLUID TEMPERATURE °C {°F}	Maximum Working pressure (Normal temperature) MPa {psi}	Connection	SIZE				
				25mm	75mm	100mm	150mm	200mm
7.5K	-10 ~ 50 { 15~120 }	0.75 { 110 }	THREADED (TYPE A)	◎	-	-	-	-
			FLANGED (TYPE B)	-	-	-	-	-
10K	-10 ~ 50 { 15~120 }	1.0 { 150 }	THREADED (TYPE A)	◎	-	-	-	-
			FLANGED (TYPE B)	◎	◎	◎	◎	◎
16K	-10 ~ 50 { 15~120 }	1.6 { 240 }	THREADED (TYPE A)	◎	-	-	-	-
			FLANGED (TYPE B)	◎	◎	◎	-	-

Note:: The maximum working pressure is the value including the water hammer pressure. Be careful that the maximum working pressure is not exceeded during use.

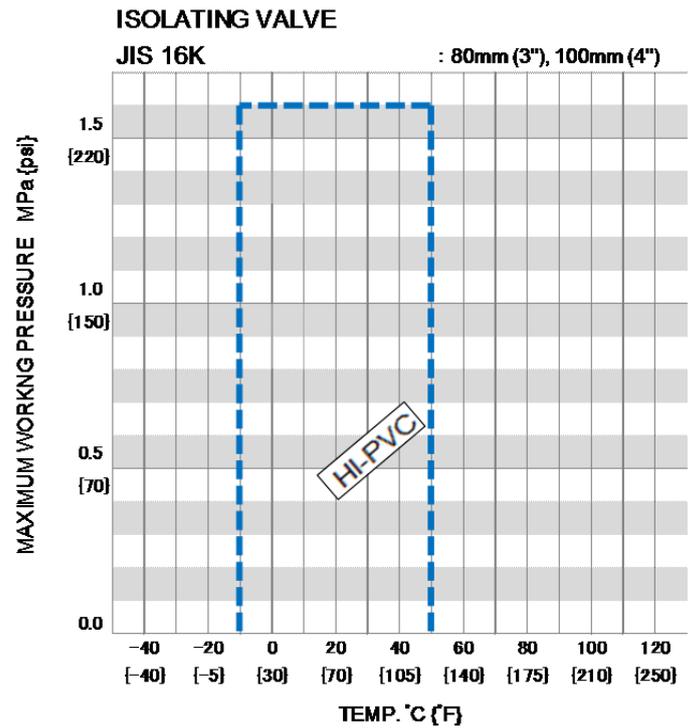
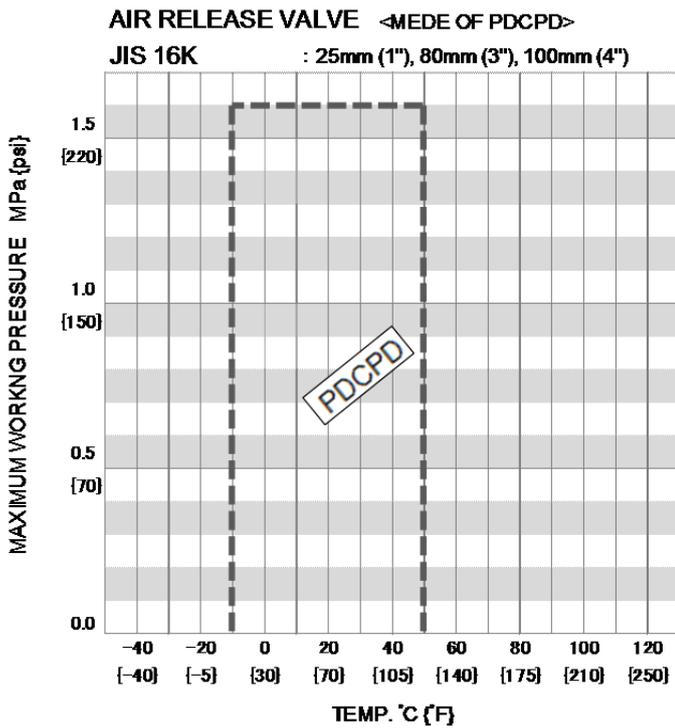
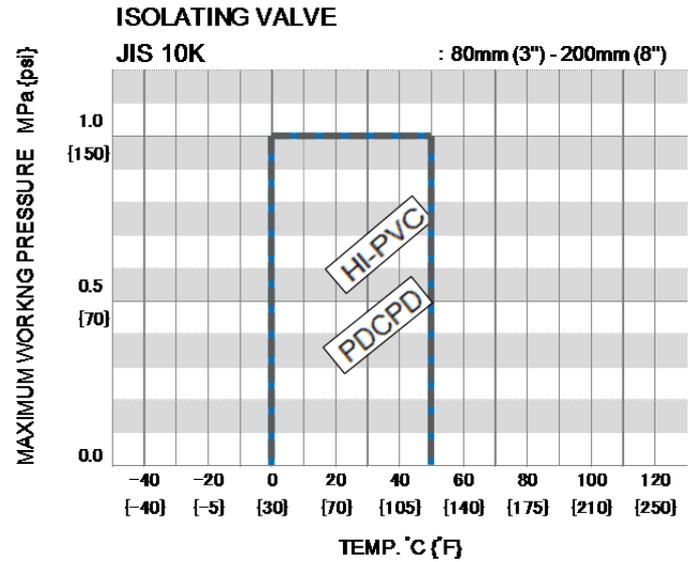
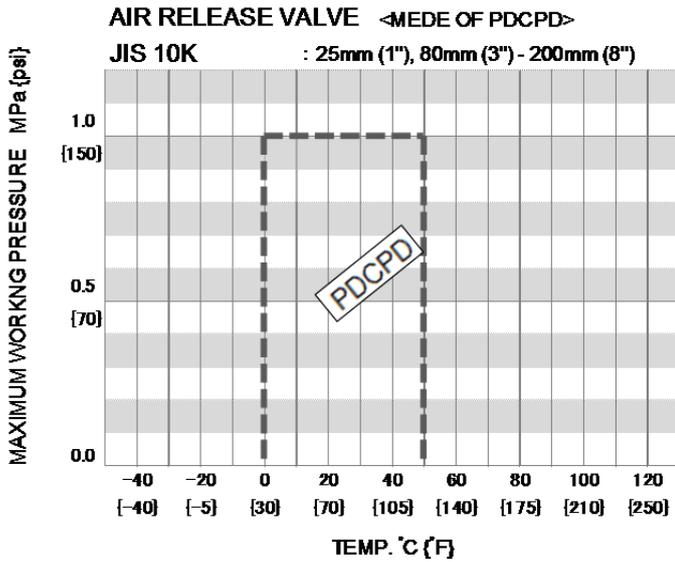
* Concerning the allowable pressure for each temperature and material, see the technical documents at the next page of this sheet.

Certificate / Approval / Directive

PED, ABS, NSF/ANSI61

"For details of applicable products, please consult us."

Working pressure vs. Temperature



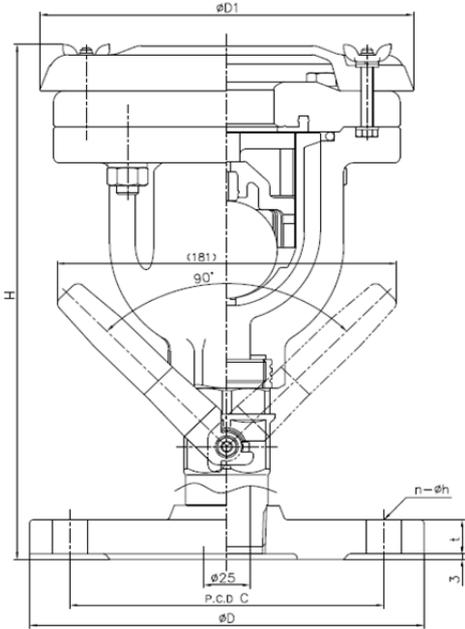
Note:

Make sure that the temperature and pressure are within the working range during operation.
 (If the tolerance range is exceeded during use, the valve may be damaged.)

Product dimension

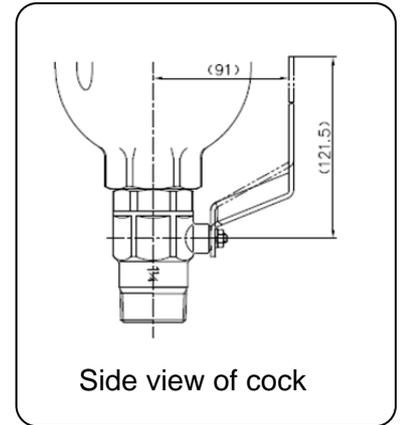
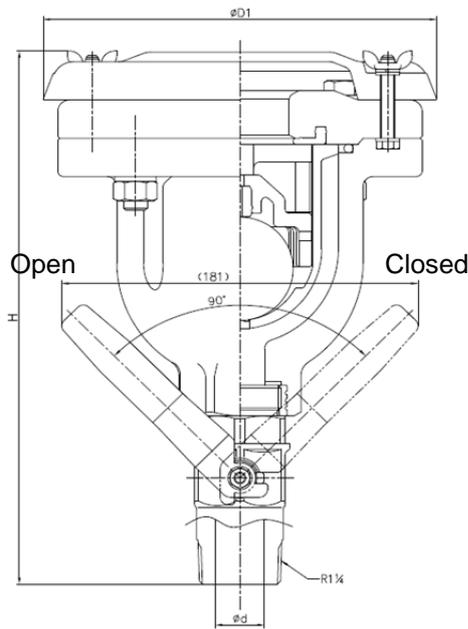
25mm (1")

FLANGED (Type B)



25mm (1")

THREADED (Type A)



■ 25mm flanged (Type B) JIS (Unit: mm)

10K(JIS10K), 16K(JIS16K)

mm	inch	NOMINAL PRESSURE	D_1	H	d	D	C	n-h	t
25	1	7.5K 10K 16K	200	286	25	185	150	8- ϕ 19	22

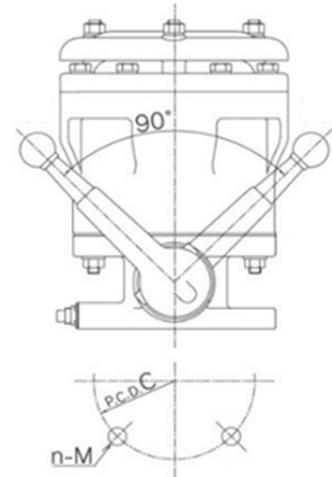
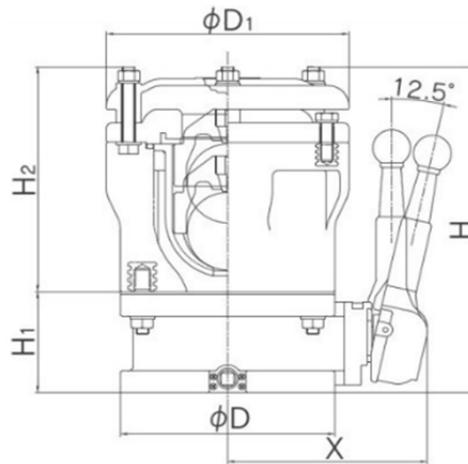
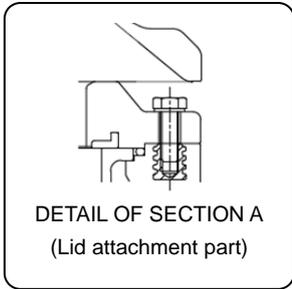
■ 25mm threaded (Type A) JIS (Unit: mm)

mm	inch	NOMINAL PRESSURE	D_1	H	d
25	1	7.5K 10K 16K	200	279	25

Note: The shape and appearance of assembly differ a little with nominal size compared to this drawing.

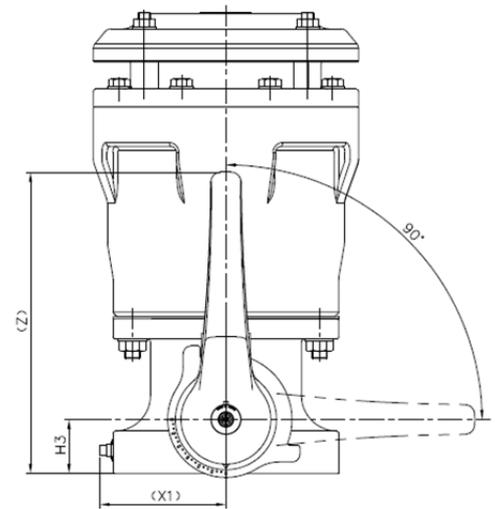
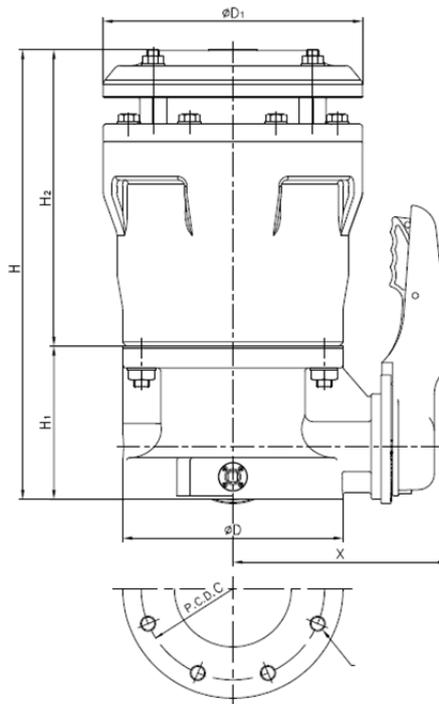
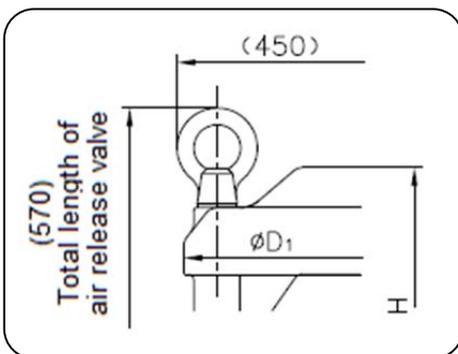
75mm (3")

FLANGED



100mm (4") – 200mm (8")

FLANGED



■ 75mm - 200mm JIS (Unit: mm)

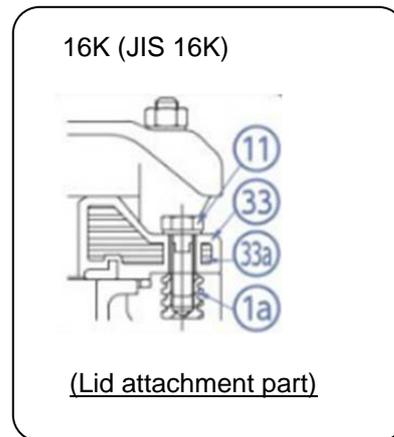
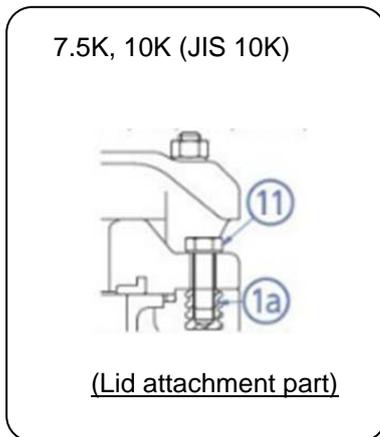
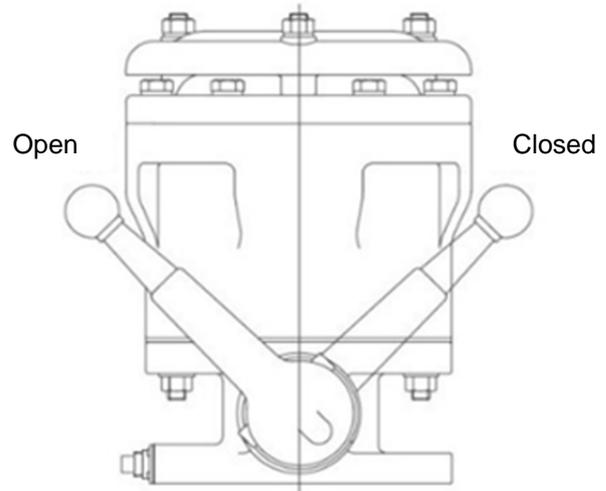
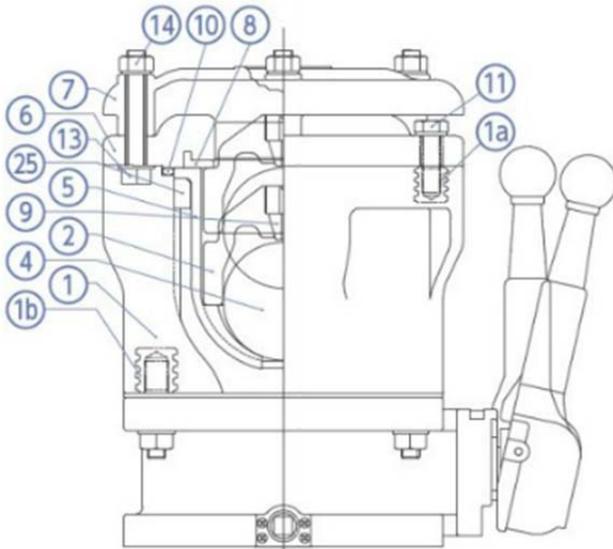
10K(JIS10K), 16K(JIS16K)

mm	inch	NOMINAL PRESSURE	D_1	C	n-h	ℓ	D_1	H	H_1	H_2	H_3	X	Z
75	3	7.5K 10K 16K	211	150	8- ϕ 19	-	238	333	103	230	50	197	219
100	4		238	175	8-M16	22	260	411	123	288	38	233	250
150	6		290	240	8-M20	30	341	596	203	393	70	282	320
200	8		342	290	12-M20	30	440	729	203	526	70	322	400

Note: The shape and appearance of assembly differ a little with nominal size compared to this drawing.

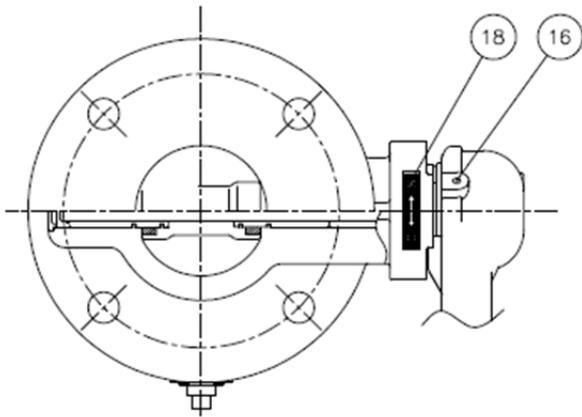
Parts list

AIR RELEASE VALVE

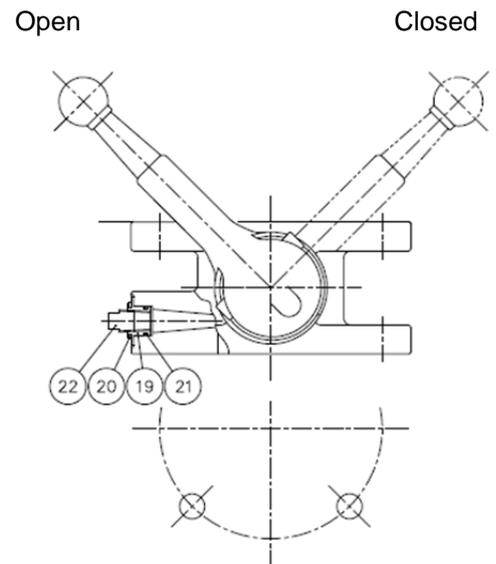
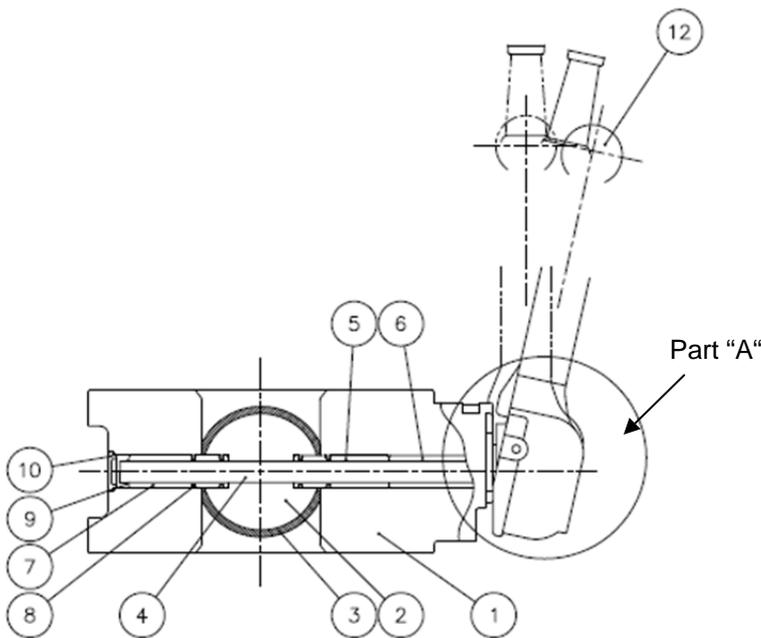
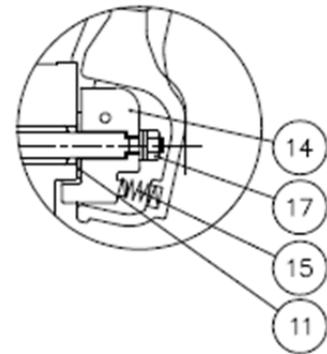


PART NO./NAME	QTY	MATERIAL	PART NO./NAME	QTY	MATERIAL
1 BODY	1	PDCPD	8 LARGE AIR HOLE VALVE SEAT	1	EPDM (SBR FOR WATERWORKS)
1a EMBEDDED FITTING (A)	-	COPPER ALLOY	9 SMALL AIR HOLE VALVE SEAT	1	
1b EMBEDDED FITTING (B)	-	COPPER ALLOY	10 O-RING	1	
2 MOVING VALVE BODY	1	PP	11 BOLT, WASHER (A)	-	STAINLESS STEEL
4 FLOAT VALVE BODY	1	PP	13 BOLT, WASHER (B)	-	STAINLESS STEEL
5 GUIDE	1	25mm - 150mm : HI-PVC 200mm : PDCPD	14 NUT (B)	-	STAINLESS STEEL
6 LID	1	PDCPD	22 EYE NUT	2	STAINLESS STEEL
7 COVER	1	PDCPD	33a INSERT	1	CARBON STEEL

ISOLATING VALVE



Section of Part "A"



PART NO./NAME	QTY	MATERIAL	PART NO./NAME	QTY	MATERIAL	PART NO./NAME	QTY	MATERIAL
1 BODY	1	HI-PVC	9 RETAINING RING	2	STAINLESS STEEL	17 NUT & WASHER,	1	STAINLESS STEEL
2 GATE	1	HI-PVC	C-TYPE			SPRING WASHER		
3 SEAT	1	EPDM	10 CAP	1	EPDM	18 INDICATOR LABEL	1	PVC
4 STEM	1	CARBON STEEL	11 THRUST RING	1	PP	19 METAL FITTING	1	CAST ALUMINIUM ALLOY
5 BUSHING (A)	1	PP	12 HANDLE	1	ABS	20 TAPPING SCREW	4	STAINLESS STEEL
6 BUSHING (B)	1	PP	14 ADAPTER	1	ABS	21 O-RING (A)	1	EPDM
7 BUSHING (C)	1	PP	15 SPRING	1	STAINLESS STEEL	22 PLUG CAP	1	STAINLESS STEEL
8 O-RING	4	EPDM	16 PARALLEL PIN	1	STAINLESS STEEL			

Product weight

AIR RELEASE VALVE

MANUAL

UNIT : kg

mm	inch	FLANGED	THREADED
25	1	8.8	3.8
75	3	6.9	—
100	4	10.0	—
150	6	21.0	—
200	8	41.0	—

ISOLATING VALVE

MANUAL

UNIT : kg

mm	inch	FLANGED
75	3	3.3
100	4	6.5
150	6	9.5
200	8	14.0

Product model code list

AIR RELEASE VALVE, ISOLATING VALVE

ACTUATION	TYPE	OPERATING SYSTEM	BODY MATERIAL	SEAL MATERIAL	CONNECTION	SIZE					
V	**	**	*	*	*	***					
V	MANUAL VALVE										
RW	AIR RELEASE VALVE	LV	LEVER	D	PDCPD	S	SBR FOR JIS 7.5K	NR	THREADED R	025	25mm
IW	ISOLATING VALVE FOR JIS 7.5K	ZZ	TYPE B	I	HI-PVC	E	EPDM (REGULAR)	F1	JIS 10K	5	
AR	AIR RELEASE VALVE							FW	JIS 7.5K	200	200mm
IS	ISOLATING VALVE (Regular)							F6	JIS 16K		

Installation, Operation and Maintenance Manual

"For details of Installation, Operation and Maintenance, please refer IOM at below link"

http://www.asahi-yukizai.co.jp/en/product/mt_pdf/a_manual_valve_9_001.pdf