

Serial No.	H-V074-E
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Butterfly Valve Type 58

(PDCPD)

700mm (28")

User's Manual

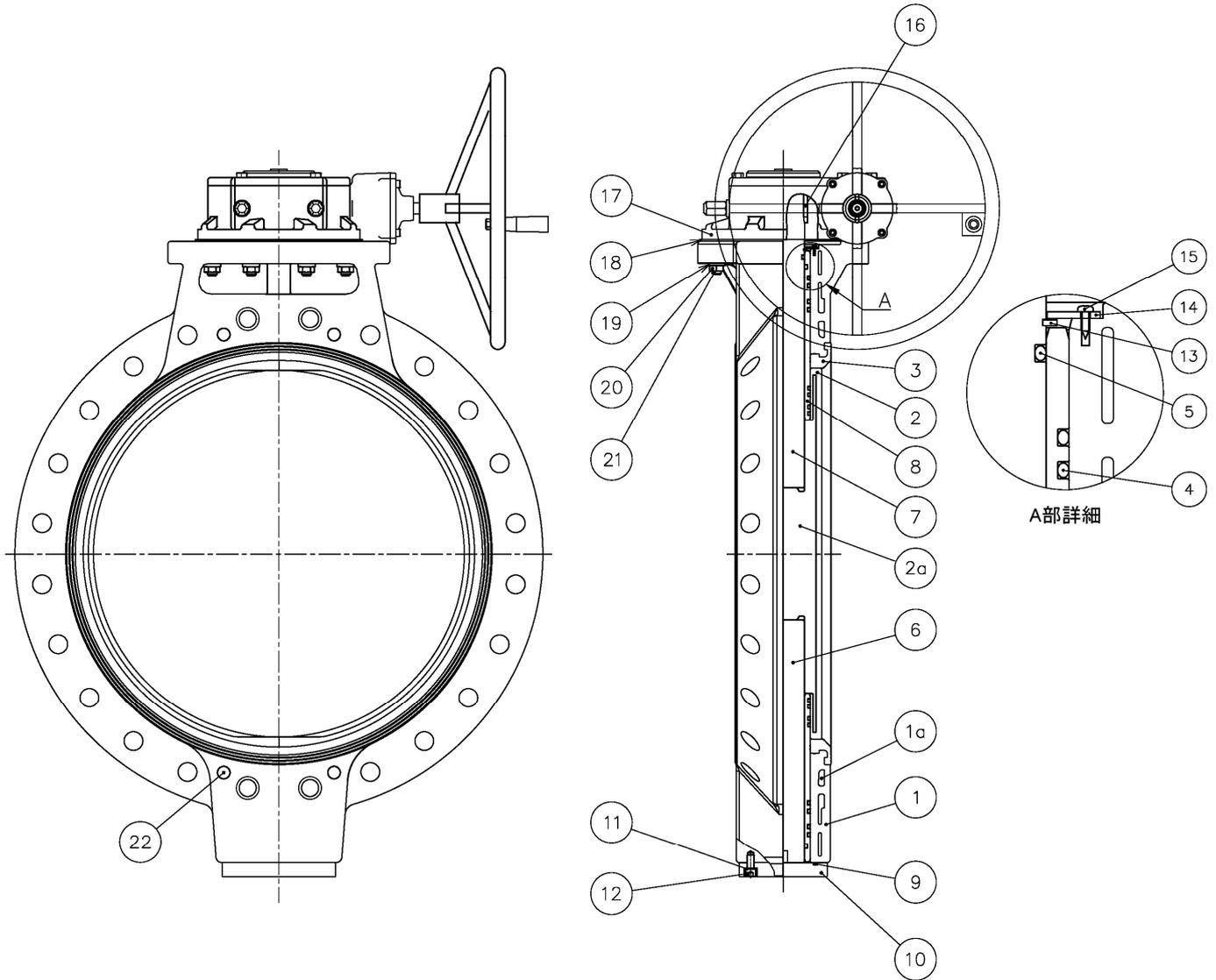


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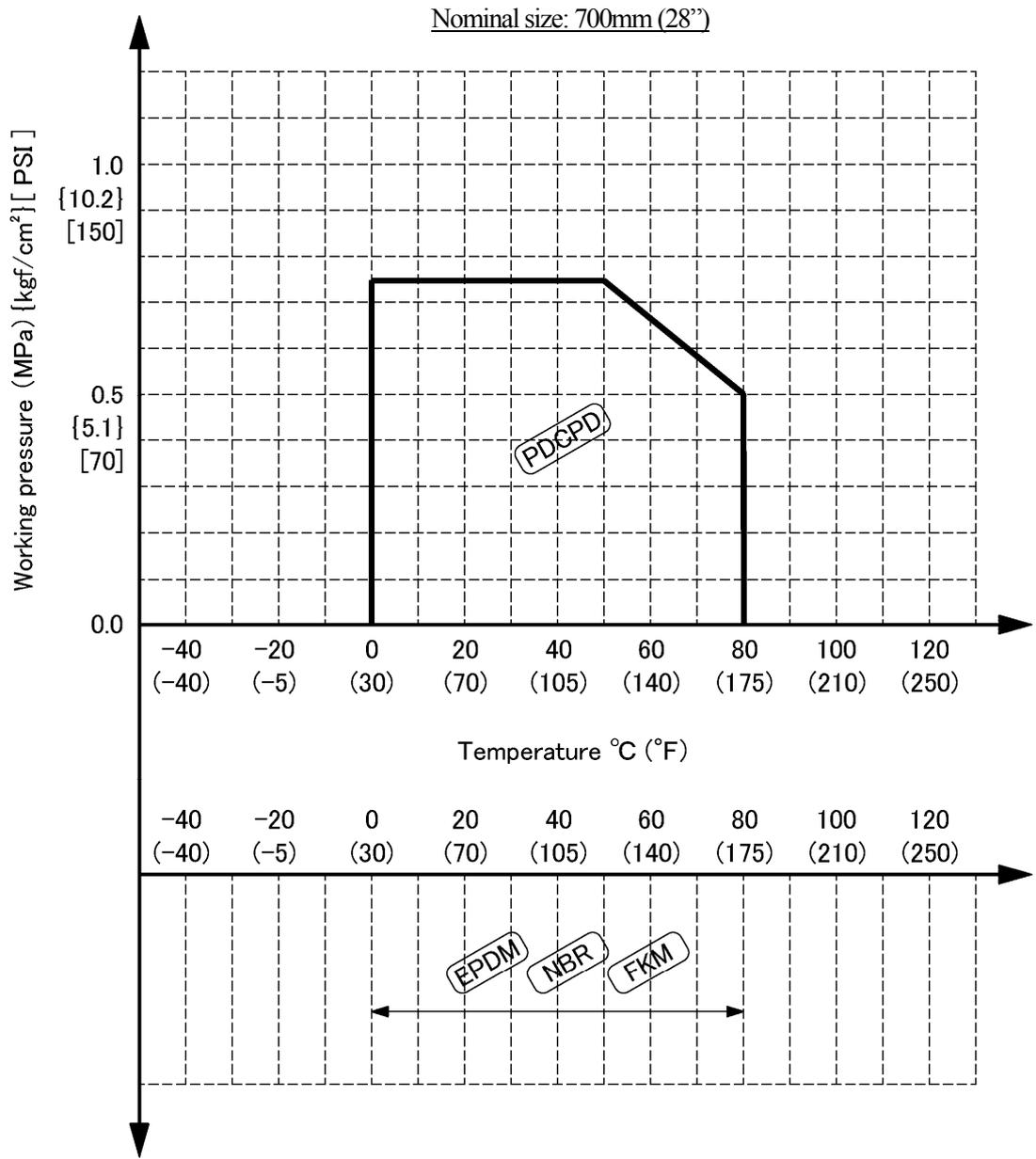
(4) Name of parts

Nominal size: 700mm (28")

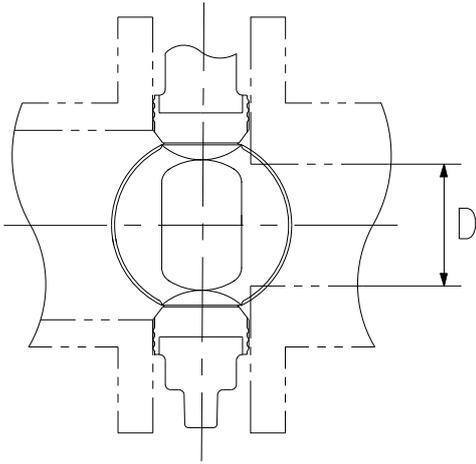


No.	DESCRIPTION	No.	DESCRIPTION	No.	DESCRIPTION
[1]	Body	[7]	Stem (A)	[15]	Screw
[1a]	Inserted Metal of Body	[8]	Bush	[16]	Key
[2]	Disc	[9]	O-Ring (C)	[17]	Gear Box
[2a]	Inserted Metal of Disc	[10]	Stem Holder (B)	[18]	Gasket
[3]	Seat	[11]	Washer (A)	[19]	Washer (B)
[4]	O-Ring (A)	[12]	Bolt (A)	[20]	Nut
[5]	O-Ring (B)	[13]	C-Type Retaining Ring	[21]	Bolt (B)
[6]	Stem (B)	[14]	Stem Holder (A)	[22]	Cap

(5) Working pressure and temperature



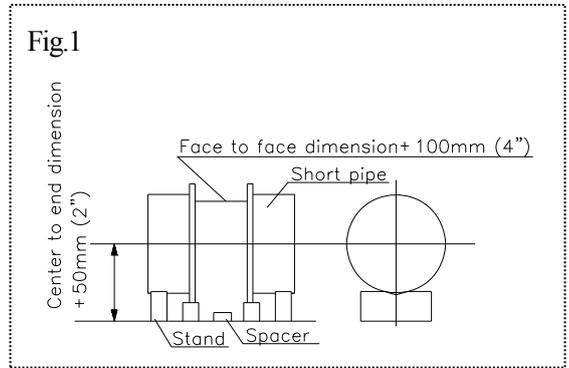
In case of an abutting thick walled flange and pipe, shave the flange or the pipe inner diameter in order to avoid contact of pipe and disc. If the inside diameter of the connecting pipe is larger than dimension D below, shaving is not necessary.



Nominal Size mm (inch)	Diameter D mm (inch)
700 (28")	661 (26.02")

1) Set the short pipes.

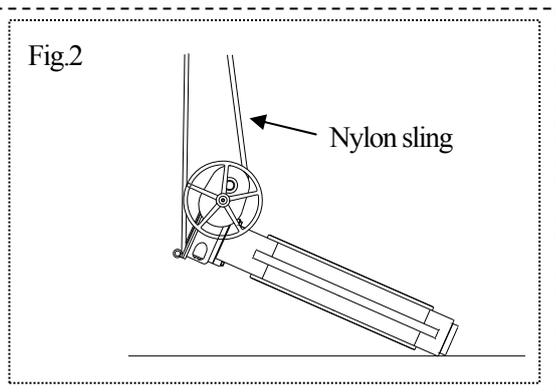
Set the short pipes with suitable stands so that the center of the valve in the upright position aligns with that of the short pipe. Using a cloth, wipe foreign matter away from the flange surfaces of the short pipes.



2) Stand the valve upright.

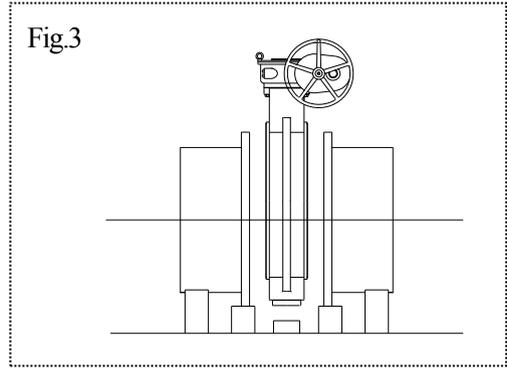
Wind the nylon sling around the head part of the body and gradually raise it up. After standing the valve upright, wipe foreign matter away from the seat with a cloth.

 - Support the valve up by looping a belt around the gearbox like Fig 2. The eyebolt in the gearbox is designed to support the weight of gearbox, so avoid lifting up the whole valve with the eyebolt. Use it just as a support to stand the valve upright.

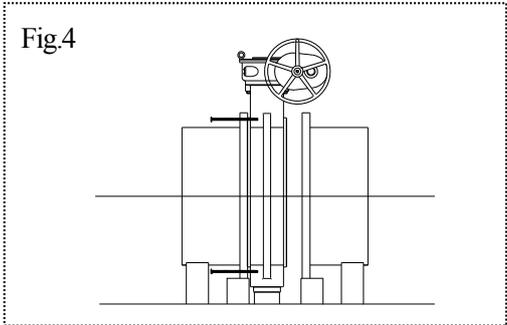


- 3) Lower the valve gradually between the short pipes onto the spacer. Lower the valve carefully without damaging the flange surfaces of short pipes
The required face to face dimension of each valve size is shown below.
Make sure that the valve is slightly closed.

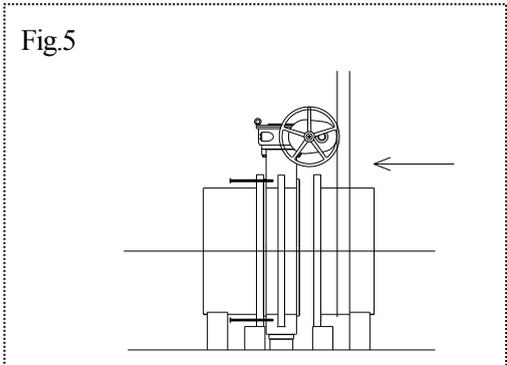
Nominal Size mm (inch)	Face-to-face Dimension mm (inch)
700 (28")	169 (6.65")



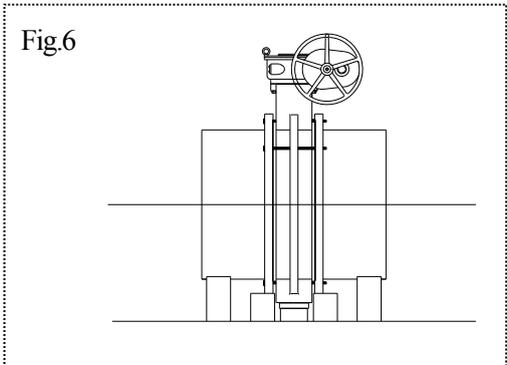
- 4) Connect the valve loosely to one of the short pipes. Match the bolt hole of the short pipe with that of the valve, and put four stud bolts into the inserted metal parts (part 1a), then tighten nuts lightly by hand.



- 5) Set the second short pipe with the valve. Using the nylon sling, loop the short pipe and tighten nuts using the same procedure as step 4).

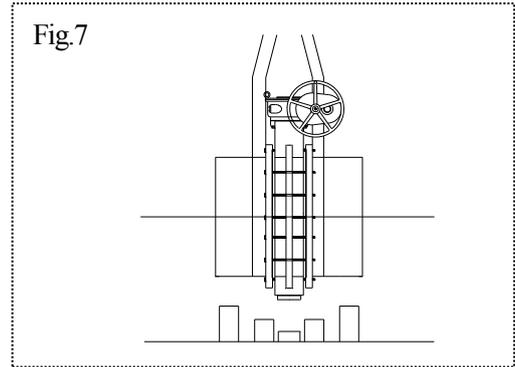


- 6) Put the bolts through the full bolt holes and plumb in. Move the pipe gradually to match holes one another, and set nuts.
*Tighten the bolt-nuts of the valve and the flange in the full bolt holes at first, and then tighten the bolt-nuts on the inserted metal parts.



- 7) Tighten up the nuts according the tightening torque values listed below
Tighten the nuts in a diagonal manner.
All penetrated bolts should be tightened first, and the inserted metal parts should be tightened after.

Nom. Size mm (inch)	Bolt tightening torque N·m (kgf·cm)
700 (28")	130 (1,330)



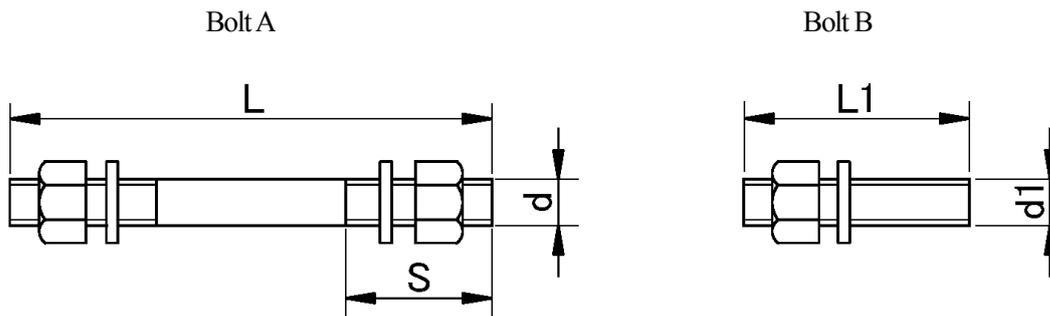
- 8) Using the nylon sling, lift up around the flange sides of both short pipes to set in the required position.
Hook a wire through the eyebolt in order to stabilize the valve.

JIS Standard (10K)

Unit: mm (inch)

Nominal Size		Bolt A			Bolt B		Quantity			
mm	(inch)	d	L	S	d1	L1	Bolt A	Bolt B	Nut	Washer
700	(28")	M30	320 (12.60")	66 (2.60")	M30	105 (4.33")	20	8	48	48

Notes ; The above figures are bolt size in the case of using the JIS B 2220 "Steel pipe flanges" nominal pressure 10K.



(11) Troubleshooting

Problem	Cause	Treatment
The valve does not operate smoothly.	The protrusion of the seat. The uneven or excessive tightening of the bolt.	Loosen the bolt and adjust.
Fluid is not stopped in the full closed position.	The stopper is not adjusted properly.	Adjuster the stopper.
	The seat is damaged or worn.	Replace the seat.
	Foreign matter is in the valve.	Disassemble the valve and clean.
	The disc is damaged or worn.	Replace the disc.
	The connecting bolts are too much tightened or tightened unevenly.	Reset the valve.
Fluid leaks to the outside.	The seat is damaged or worn.	Replace the seat.
The handle does not work smoothly.	Foreign matter is adhered.	Reset the valve.
	The gearbox is damaged.	Replace the gearbox.
	The connecting bolts are too much tightened.	Reset the valve.
The valve does not operate.	The gearbox is damaged.	Repair or replace.
	The stem is damaged.	Replace the stem.

(12) Handling of residual and waste materials



 - Make sure to consult a waste treatment dealer for recommendations on the proper disposal of plastic valves. (Poisonous gas is generated when the valve is burned improperly.)

Warning

Butterfly Valve Type 58
700mm (28")

ASAHI YUKIZAI CORPORATION

Distributor

<http://www.asahi-yukizai.co.jp/en/>