

Serial No.	H-V024-E-7
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## Needle valve

<b>User's Manual</b>
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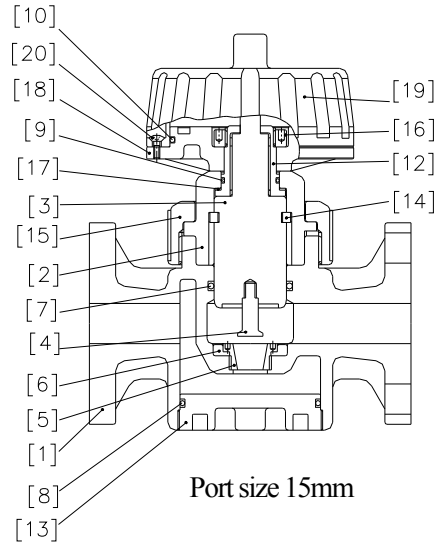
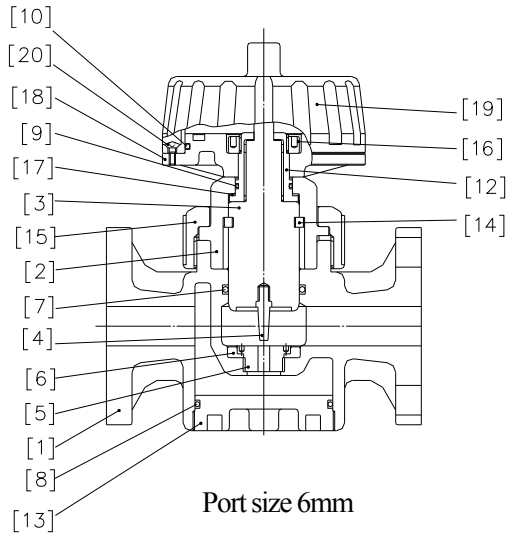
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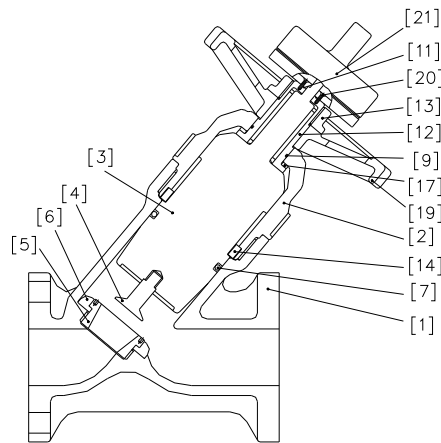
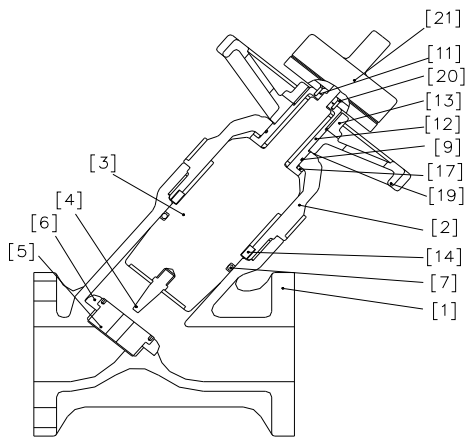
**(4) Name of parts**

15, 20mm (1/2", 3/4")



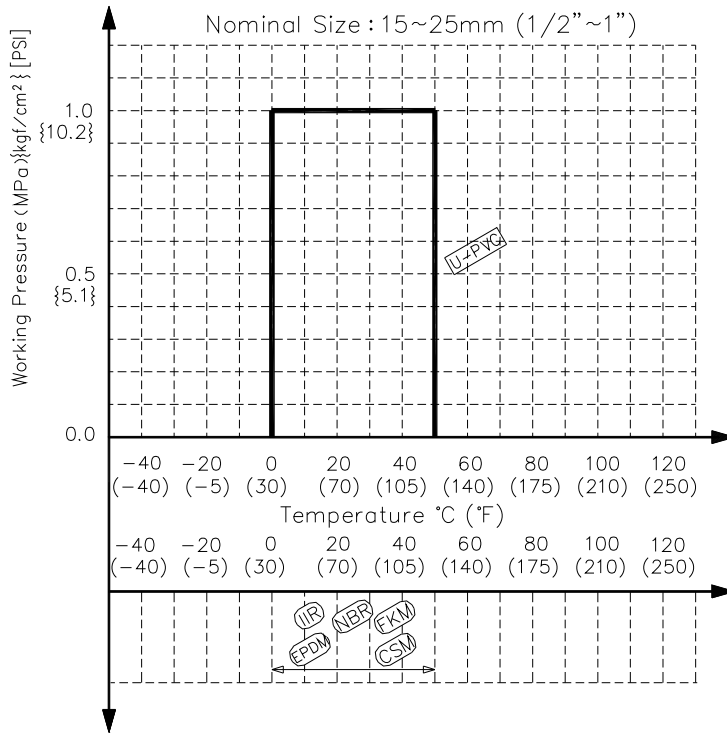
No.	DESCRIPTION	No.	DESCRIPTION	No.	DESCRIPTION
[1]	Body	[8]	O-ring (B)	[16]	Nut
[2]	Bonnet	[9]	O-ring (C)	[17]	Thrust ring
[3]	Cylinder	[10]	O-ring (D)	[18]	Handle Base
[4]	Plug	[12]	Sleeve	[19]	Handle Wheel
[5]	Orifice	[13]	Cap	[20]	Screw
[6]	Seat	[14]	Key		
[7]	O-ring (A)	[15]	Cap nut		

25mm (1")



No.	DESCRIPTION	No.	DESCRIPTION	No.	DESCRIPTION
[1]	Body	[7]	O-ring (A)	[17]	Thrust ring
[2]	Bonnet	[9]	O-ring (C)	[19]	Hand wheel
[3]	Cylinder	[11]	O-ring (E)	[20]	Machine screw
[4]	Plug	[12]	Sleeve	[21]	Lift indicator
[5]	Orifice	[13]	Cap		
[6]	Seat	[14]	Key		

**(5) Working pressure vs. temperature**



**(6) Installation procedure**

- Warning**
  - ! - Be sure to conduct a safety check on all hand and power tools to be used before beginning work.
  - ! - Wear protective gloves and safety goggles as fluid remain in the valve even if the pipeline is empty. (You may be injured.)
- Caution**
  - ! - Avoid excessive tightening. (The valve can be damaged.)
  - ! - When installing pipes and valves, ensure that they are not subjected to tension, compression, bending, impact, or other excessive stress.
  - Use flat faced flanges for connection to AV Valves.
  - Ensure that the mating flanges are of the same standards.
  - Be sure to use sealing gaskets (AV Gasket), bolts, nuts, and washers and tighten them to specified torques. (When a non-AV gasket is used, a different tightening torque specification should be followed.)
  - This valve can be installed horizontally and vertically. But, install the valve so that the upstream and downstream line which across the valve may be full with the fluid.

**Needle valve**

**ASAHI YUKIZAI CORPORATION**

**Distributor**

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