Chemicals-Resistant
Pressure Switches
with PTFE or SUS316 wet part

CATALOG No.S3001

Models HP-JP-C, HP-JP-E
JP-B (SUS diaphragm), JP-B1 (SUS diaphragm),
JP-B2 (SUS diaphragm), JP-C (SUS diaphragm),
JP-E (SUS diaphragm)

Chemicals-Resistant Pressure Switches

Features

<PTFE series>

- PTFE wet part produces no oxide.
- Clear vinyl chloride cover protects the switch from bad ambient conditions.
- Cabtire cable withstands tough weather conditions.

<SUS diaphragm series>

- SUS-316 socket and diaphragm ensure the switch's high durability.
- Diaphragm welded on the socket remarkably improved switch reliability.

<Common>

- Compact, easy to use.
- Very high operation stability.
- Preset pressure easily changeable.
- Field data attached.
- All switches oil- and water-prohibitive.

Application

- Semiconductor
- Chemicals and chemical industry
- Medical equipment
- Food
- Paint
- High-purity fluids
- Cosmetics,

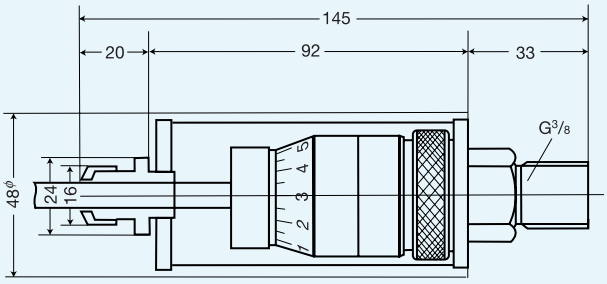
and many more

OSAKA
ASAHI GAUGE MFG. CO.,LTD.
JAPAN

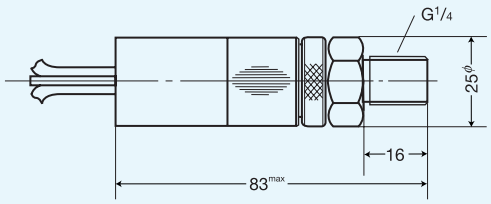
Chemicals-Resistant Pressure Switches

Dimensions by type

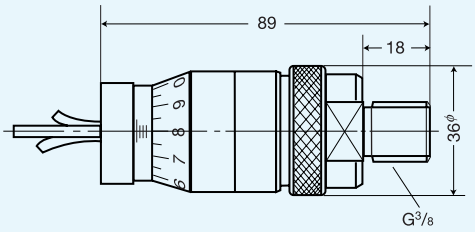
HP-JP-Ctype HP-JP-Etype



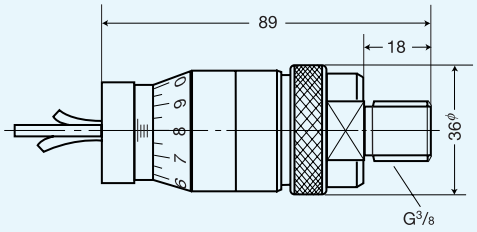
JP-Btype (SUS diaphragm)



JP-Etype (SUS diaphragm)



JP-Ctype (SUS diaphragm)



Manufacturing specifications

	Pressure range (MPa)	Accuracy (%)	Dead band (MPa)	Reference scale accuracy (%)	Electric capacity	Endurance limit	Dimensions (φ×ℓ) (case in parentheses)	Socket		Wet-part material	Waterproof switch cover
HP-JP-C	0.15~0.6	±1	approx. 0.04	±5	3A-250VAC 5A-125VAC	100,000 times (microswitch used at rated value)	36×89 (48×92)	G 3/8		Resin fluoride PTFE	with
HP-JP-E	0.03~0.1	±1	approx. 0.02	±5	〃	〃	36×89 (48×92)	G 3/8		Resin fluoride PTFE	with
JP-B (SUS diaphragm)	0.15~0.6	±2	approx. 0.06	—	〃	〃	25×80	1/4	NPT, G, or R available	SUS316	without
JP-B1 (SUS diaphragm)	0.4~4	±2	0.2~0.8	—	〃	〃	25×89	1/4		SUS316	without
JP-B2 (SUS diaphragm)	4~18	±5	1.1~1.8	—	〃	〃	25×89	1/4		SUS316	without
JP-C (SUS diaphragm)	0.15~0.6	±1	—	±5	〃	〃	36×89	3/8		SUS316	without
JP-E (SUS diaphragm)	0.03~0.1	±1	—	±5	〃	〃	36×89	3/8		SUS316	without

- Ambient temperature: –15 to +70°C (RH, 60% or under), no freezing.
- Please consult Nissin if the measuring work involves pulsations.
- For ordering or consulting about the SUS diaphragm series, please clearly identify it.

Note: These specifications may be changed for improvements without notice.