



Applications

- Gauge adapter connects to gauge for calibration
- Adapts to connection size to process or any other instrumentation
- They are available in 304SS, 316SS, Carbon steel & Brass

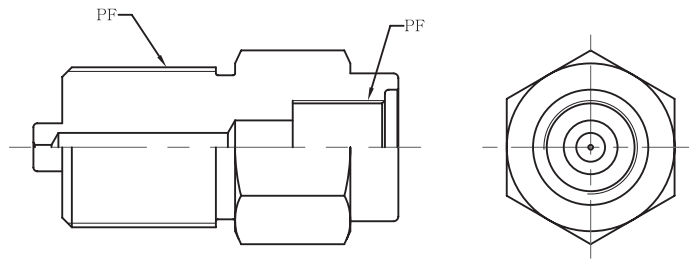


Ordering Information for PA010 Series

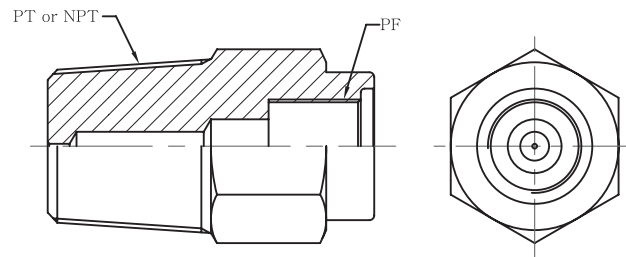
Model	Description		
PA010	Adapters		
Code	Mounting Type		
PA011	Male-Female adapters		
PA012	Female-Female adapter		
PA013	Male-Male adapters		
Code	Material		
A	Brass		
B	304SS		
C	316SS		
O	Others		
Code	Gauge Connection Style ⁽¹⁾	Code	Gauge Connection Style ⁽¹⁾
2	PT("R" in ISO Standard)	B	1/8"
3	PF("G" in ISO Standard)	C	1/4"
4	NPT	D	3/8"
X	Others	F	1/2"
		O	Others
Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.			
Code	Process Connection Style ⁽¹⁾	Code	Process Connection Style ⁽¹⁾
2	PT("R" in ISO Standard)	B	1/8"
3	PF("G" in ISO Standard)	C	1/4"
4	NPT	D	3/8"
X	Others	F	1/2"
		O	Others
Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.			
Sample Model Selection : PA011B2F2F			

■ Adapters(PA010)

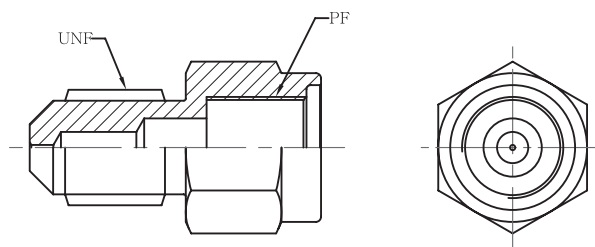
PF-TYPE (1/8, 1/4, 3/8, 1/2)



PT-TYPE (1/8, 1/4, 3/8, 1/2)



UNF-TYPE (7/16)



Applications

- Condensate pots are protecting the pressure instrument from the effect of hot pressure media like steam.
- Typical industry applications include Refineries, power plant, chemical&petrochemical, steel plants and other process industries.

Ordering Information for PA060 Series

Model	Description
PA060	Condensate Pots(Seal Pots)
Model	Mounting Type
PA061	Flat Type 3" Sch40
PA062	Flat Type 3" Sch80
PA063	Flat Type 3" Sch160
PA064	Globe Type 3" Sch40
PA065	Globe Type 3" Sch80
PA066	Globe Type 3" Sch160

Code	Material
B	304SS
C	316SS
O	Others

Code	Gauge Connection Style ⁽¹⁾	Code	Gauge Connection Size
2	PT("R" in ISO Standard)	D	3/8"
3	PF("G" in ISO Standard)	F	1/2"
4	NPT	O	Others
X	Others		

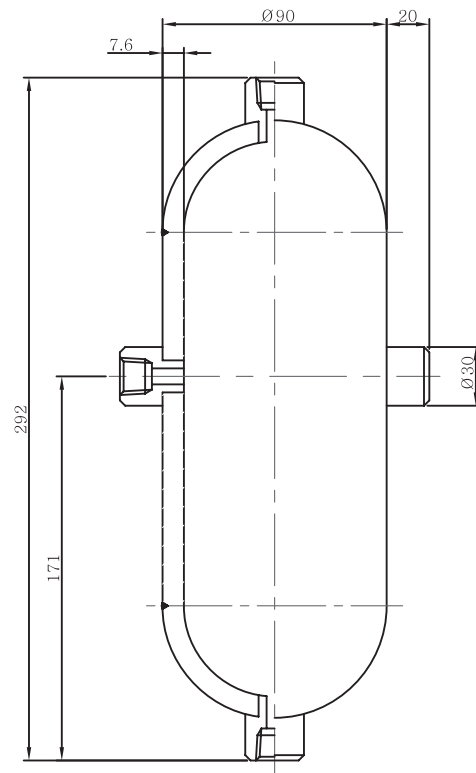
Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.

Code	Process Connection Style ⁽¹⁾	Code	Process Connection Size
2	PT("R" in ISO Standard)	D	3/8"
3	PF("G" in ISO Standard)	F	1/2"
4	NPT	O	Others
X	Others		

Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.

Sample Model Selection : PA064B2F2F

■ Condensate Pots(Seal Pots)(PA060)





Applications

- Gauge Union Provides ultra-high purity metal to metal seal for vacuum, positive sealing and positive pressure Applications.
- They are oriented in any direction.



Ordering Information for PA020 Series

Model	Description
PA020	Gauge Unions(27HEX)

Code	Mounting Type
PA021	Pipe welding
PA022	Thread
PA024	Socket welding
PA025	Boss
PA026	Flange

Code	Material
B	304SS
C	316SS
D	316LSS
O	Others

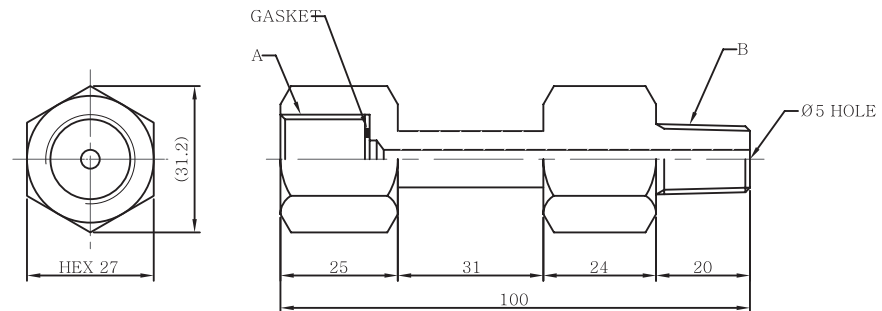
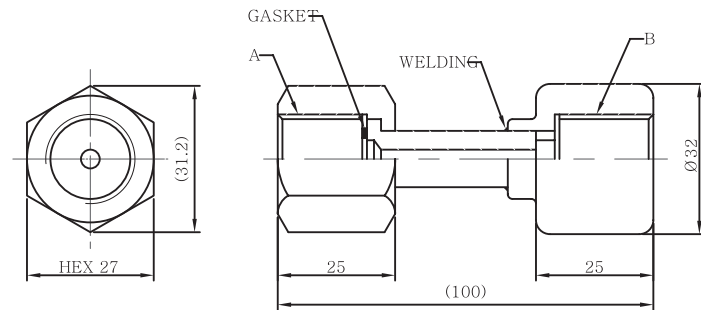
Code	Gauge Connection Style ⁽¹⁾	Code	Gauge Connection Style ⁽¹⁾
2	PT("R" in ISO Standard)	D	3/8"
3	PF("G" in ISO Standard)	F	1/2"
4	NPT	O	Others
X	Others		

Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.

Code	Process Connection Style ⁽¹⁾	Code	Process Connection Style ⁽¹⁾
2	PT("R" in ISO Standard)	B	1/8"
3	PF("G" in ISO Standard)	C	1/4"
4	NPT	D	3/8"
7	Socket welding	F	1/2"
8	Pipe Welding	O	Others
9	PF(F)		
G	Flange		
X	Others		

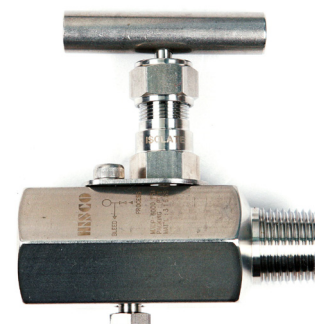
Code	Flange Size		
N	N/A	J	1"(25A)
B	1/2"(15A)	R	1 1/2"(40A)
H	3/4"(20A)	T	2"(50A)
Code	Flange Rating		
N	N/A	4FF	ANSI 300# FF
2RF	ANSI 150# RF	4RS	ANSI 300# RFSF
2FF	ANSI 150# FF	5RF	ANSI 600# RF
2RS	ANSI 150# RFSF	5FF	ANSI 600# FF
4RF	ANSI 300# RF	5RS	ANSI 600# RFSF
X	Others		
Sample Model Selection : PA021B2F2F			
Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.			

■ Gauge Unions(PA020)



Applications

- For all instrument isolation duties, giving you bubble tight shut-off time after time.
- For gas, vapor or liquid applications with metal or soft seats
- Suitable for gauge isolation, calibration and venting



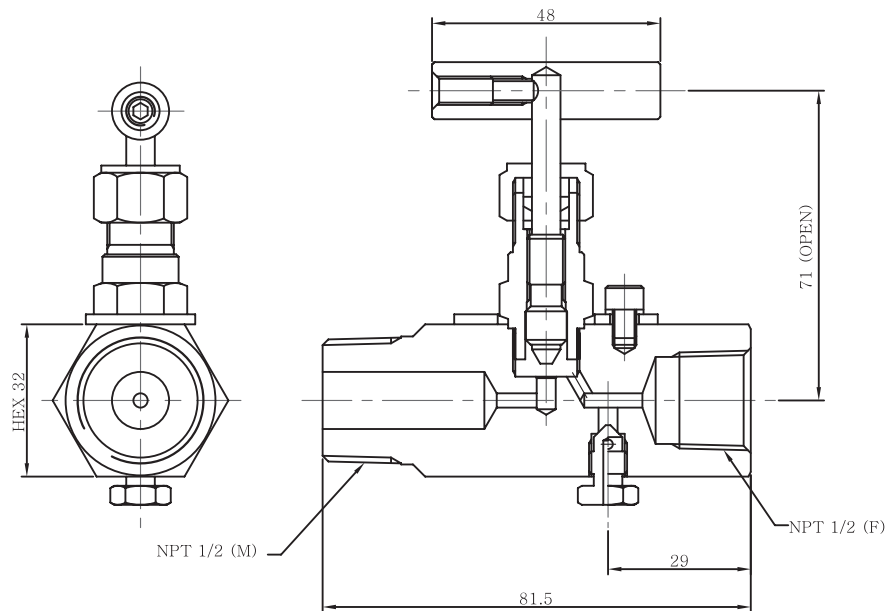
Ordering Information for PA080 Series

Model	Description		
PA080	Instrument Valves		
Code	Valve type		
PA081	Gauge Valve		
PA082	Two-way Manifold Valves		
PA083	Three-way Manifold Valves		
PA084	Thress-way Manifold Valves(Oval Flange type)		
PA085	Five-way Manifold Valves		
Code	Material		
C	316SS		
D	316LSS		
O	Others		
Code	Gauge Connection Style ⁽¹⁾	Code	Gauge Connection Style ⁽¹⁾
2	PT("R" in ISO Standard)	C	1/4"
3	PF("G" in ISO Standard)	D	3/8"
4	NPT	F	1/2"
X	Others	O	Others
Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.			
Code	Process Connection Style ⁽¹⁾	Code	Process Connection Style ⁽¹⁾
2	PT("R" in ISO Standard)	C	1/4"
3	PF("G" in ISO Standard)	D	3/8"
4	NPT	F	1/2"
X	Others	G	3/4"
		O	Others
Option			

Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.

Sample Model Selection : PA080C2F2F

■ Instrument Valves(PA080)





Applications

- Used for damping and filtering, The snubber has a metal disc.
- Pressure snubbers are used for damping and filtering. The snubber has a metal disc. By absorbing damaging pulsations and surges, pressure snubbers are used for impurity system as greener power plant.



Ordering Information for PA050 Series

Model	Description
PA050	Pressure Snubbers

Code	Material
C	316SS
O	Others

Code	Gauge Connection Style ⁽¹⁾	Code	Gauge Connection Size
2	PT("R" in ISO Standard)	D	3/8"
3	PF("G" in ISO Standard)	F	1/2"
4	NPT	O	Others
X	Others		

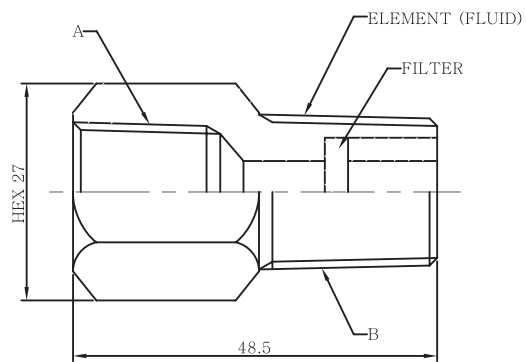
Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.

Code	Process Connection Style ⁽¹⁾	Code	Gauge Connection Style ⁽¹⁾
2	PT("R" in ISO Standard)	D	3/8"
3	PF("G" in ISO Standard)	F	1/2"
4	NPT	O	Others
X	Others		

Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.

Sample Model Selection : PA050B2F2F

■ Pressure Snubbers(PA050)



Applications

- Pulsation Dampeners(Snubbers) are used in line with a pressure gauge to suppress line pulsation and to keep the pointer steady and reducing the effect of pressure fluctuation and sudden pressure shocks.



Ordering Information for PA040 Series

Model	Description
PA040	Pulsation Dampeners

Code	Material
B	304SS
C	316SS
O	Others

Code	Gauge Connection Style ⁽¹⁾	Code	Gauge Connection Style ⁽¹⁾
2	PT("R" in ISO Standard)	D	3/8"
3	PF("G" in ISO Standard)	F	1/2"
4	NPT	O	Others
X	Others		

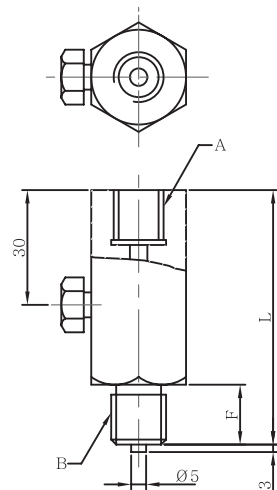
Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.

Code	Process Connection Style ⁽¹⁾	Code	Process Connection Style ⁽¹⁾
2	PT("R" in ISO Standard)	D	3/8"
3	PF("G" in ISO Standard)	F	1/2"
4	NPT	O	Others
X	Others		

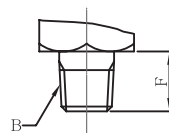
Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.

Sample Model Selection : PA040B2F2F

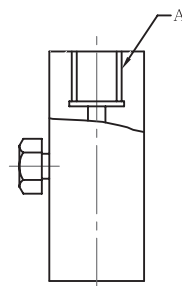
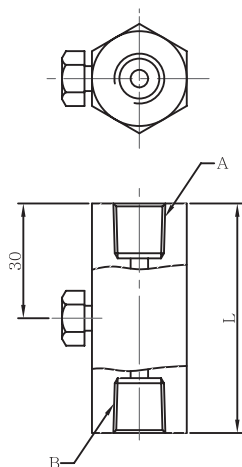
■ Pulsation Dampeners(PA040)



PF-TYPE



PT-TYPE





Applications

- Syphon tubes are widely used in different industries such as oil&gas, petrochemical, chemicals etc.
- syphons can be used to protect instrument for protecting the pressure gauge from the effect of hot pressure media such as steam service or hot vapor.
- Reducing the effect of rapid pressure surges and lowering process media temperatures.



Ordering Information for PA030 Series

Model	Description
PA030	Syphon Tubes

Code	Mounting Type
PA031	Winding (17.3°C x 2.3 t)
PA032	Winding (21.7°C x 3.2 t, Seamless Pipe)
PA033	Pig tail (10.5°C x 3.2t)

Code	Material
A	Brass
B	304SS
C	316SS
D	316LSS
O	Others

Code	Gauge Connection Style ⁽¹⁾	Code	Gauge Connection Style ⁽¹⁾
2	PT("R" in ISO Standard)	D	3/8"
3	PF("G" in ISO Standard)	F	1/2"
4	NPT	O	Others
X	Others		

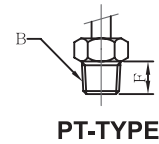
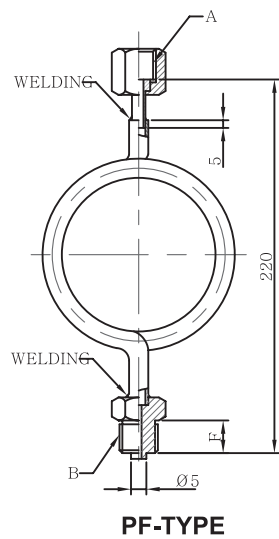
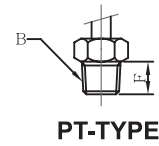
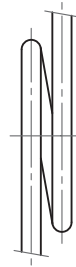
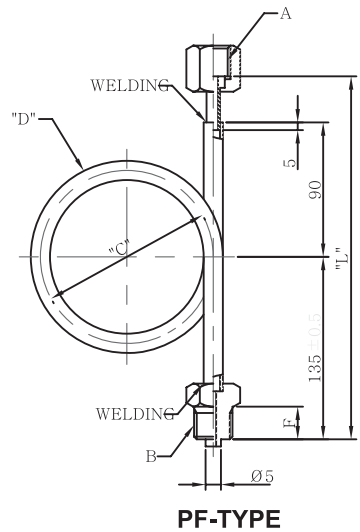
Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.

Code	Process Connection Style ⁽¹⁾	Code	Process Connection Style ⁽¹⁾
2	PT("R" in ISO Standard)	D	3/8"
3	PF("G" in ISO Standard)	F	1/2"
4	NPT	G	Flange
7	Socket welding	O	Others
8	Pipe welding		
G	Flange		
X	Others		

Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.

Code	Flange Size		
N	N/A	J	1"(25A)
B	1/2"(15A)	R	1 1/2"(40A)
H	3/4"(20A)	T	2"(50A)
Code	Flange Rating		
N	N/A	4FF	ANSI 300# FF
2RF	ANSI 150# RF	4RS	ANSI 300# RFSF
2FF	ANSI 150# FF	5RF	ANSI 600# RF
2RS	ANSI 150# RFSF	5FF	ANSI 600# FF
4RF	ANSI 300# RF	5RS	ANSI 600# RFSF
X	Others		
Sample Model Selection : PA031B2F2F			

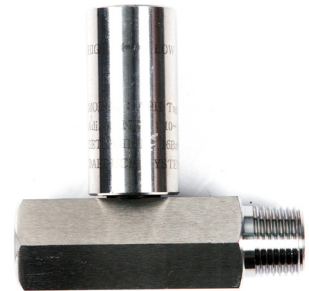
Section A – Pressure Gauge



Gauge Savers(Gauge Protectors)(PA070)

Applications

- Protecting pressure gauges against the effect of pressure exceeding their maximum pressure rating.
- When the system pressure exceeds the set pressure, the force exerted by the spring is overcome and the valve closes.



Ordering Information for PA070 Series

Model	Description		
PA070	Gauge Savers(Gauge Protectors)		
Code	Range		
2	0.03 ~ 0.2 kgf/cm2		
3	0.3 ~ 4 kgf/cm2		
4	5 ~ 80 kgf/cm2		
5	81 ~ 300 kgf/cm2		
Code	Material		
B	304SS		
C	316SS		
D	316LSS		
O	Others		
Code	Gauge Connection Style ⁽¹⁾	Code	Gauge Connection Size ⁽¹⁾
2	PT("R" in ISO Standard)	D	3/8"
3	PF("G" in ISO Standard)	F	1/2"
4	NPT	O	Others
X	Others		
Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.			
Code	Process Connection Style ⁽¹⁾	Code	Gauge Connection Size ⁽¹⁾
2	PT("R" in ISO Standard)	D	3/8"
3	PF("G" in ISO Standard)	F	1/2"
4	NPT(F)	G	Flange
X	Others	O	Others
Note 1. Other connection styles are available on request but specify it and the extra price and delivery time apply.			
Sample Model Selection : PA0702B2F2F			

■ Gauge Savers(Gauge Protectors)(PA070)

