Pressure gauge siphons are intended to protect the gauge against the effect of hot pressure media, such as steam and also to reduce the effect of rapid pressure surges. When first installed the siphon should be filled with water or any other suitable separating fluid.

pressure gauge syphons

available in 2 different shapes

- Pigtail form to fit vertical pressure tapping
- U-form to fit horizontal tapping

technical specification model PG 42; PG 43

process connection	instrument connection	material
1/2" bsp-m	1/2" bsp-f adj. socket	AISI316

syphons options at extra cost

material	carbon steel; monel
certificates	material.
manuals	installation and maintenance
connection	METRIC; NPT in various sizes
welding	full welded on instrument

PG 42

pressure gauge snubber PG 45

SANGAN pressure gauge snubbers are used to suppress the effect of pulses and pressure peaks. The flow can be restricted by an adjustable needle valve.
The carefully adjusted snubber will considerably increase the life of a pressure gauge at arduous conditions such as found at reciprocating pumps and compressors, hydraulic presses or fluid power systems and will additionally improve the reading of the gauge.

PG 45

Type	Material	Instrument	Max temp	Max pressure	Process side
PG 45	brass	bsp, npt.	-10+120 °C	250 bar	bsp, npt.
PG 45	steel	bsp, npt.	-10+120 °C	400 bar	bsp, npt.
PG 45	AISI316	bsp, npt.	-10+120 °C	400 bar	bsp, npt.

Note* 1/2" BSP and 1/2" NPT are standard instrument connections.
Special executions on request.

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SANGAN®

PG 42; PG 43 - technical data sheet

pressure details

working pressure

	max. working pressure (bar)	max. allowable temperature (ºC)
carbon steel	160	120
	120	300
	104	400
stainless steel	160	120
	140	300
	131	400

design information

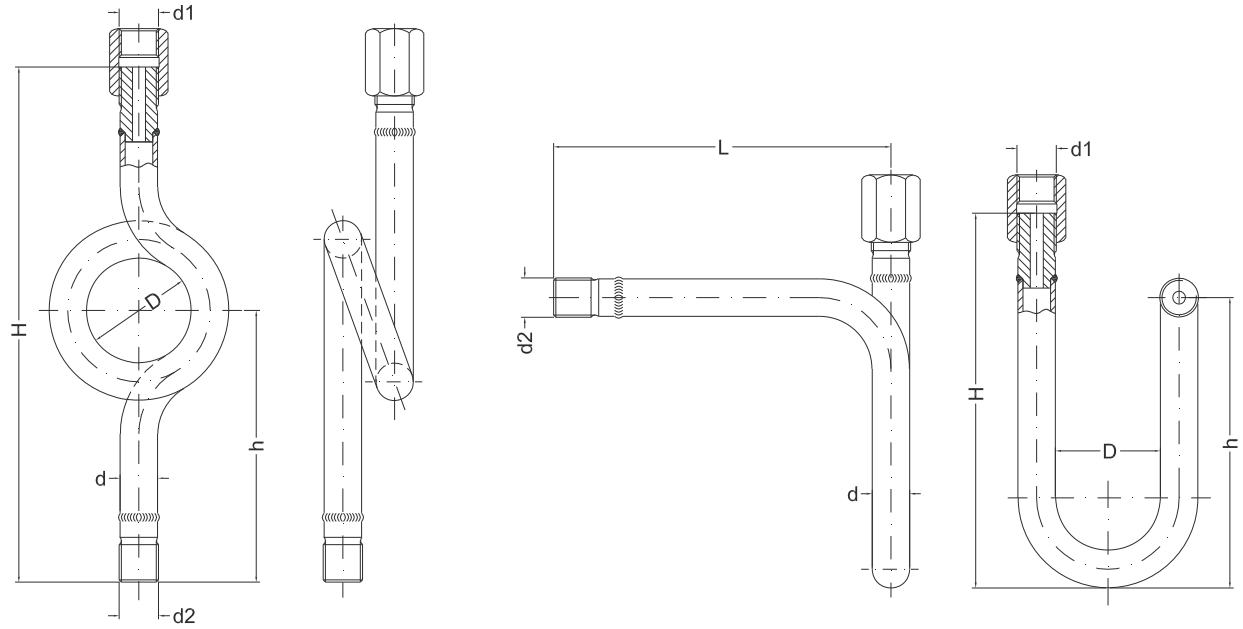
connection/form details

form	type	instrument connection	process connection
A	U-shape	1/2”BSP-f adjustable socket	welding connection
B	U-shape	1/2”BSP-f adjustable socket	1/2”BSP-m
C	pigtail	1/2”BSP-f adjustable socket	welding connection
D	pigtail	1/2”BSP-f adjustable socket	1/2”BSP-m

design

DIN 16282
DIN 16283

drawings



dimensions

PG 42

PG 43

form	d1	d2	d	H	h	D	L
A	1/2”BSP-f	1/2”BSP-m	20	200	155	56	145
B	1/2”BSP-f	1/2”BSP-m	20	200	155	56	180
C	1/2”BSP-f	1/2”BSP-m	20	240	110	56	-
D	1/2”BSP-f	1/2”BSP-m	20	275	145	56	-

Note : dimensions are in mm

pressure gauge overpressure protectors PG 48

Adjustable overpressure protectors are used to protect pressure gauges and sensors against the effects of pressures exceeding their maximum rating. They allow low pressures to be measured with great accuracy by a gauge whose rating is less than the maximum pressure that could occur in the process, and without damaging the gauge by too high a pressure. Each protector is adjusted to the maximum permissible pressure that the gauge to which it is fitted will withstand, and will automatically shut off the gauge if this pressure is exceeded. The valve will remain closed until the system pressure drops approx 30% below the closing pressure, where upon the force of the spring will open the valve.

PG 49

Type	Range adjustable	Max pressure	Max temp	Instrument side	Process side
PG 48 AISI316	0.2-1.5 bar 1-4 bar	400 bar	80 °C mm	bsp, npt,	bsp, npt,
PG 49	4-16 bar 10-40 bar 30-80 bar 60-160 bar 100-400 bar	1000 bar	80 °C mm	bsp, npt,	bsp, npt,

Note* 1/2" BSP and 1/2" NPT are standard instrument connections.
Special executions on request.

pressure gauge surface mounting bracket PG 40

Surface mounting brackets are intended to provide a means of mounting a pressure gauge or thermometer that cannot be fitted with a back flange and cannot be mounted direct against a wall.
Several extension sizes are available as instrument diameter and design may require. To fit the bracket requires an adaptor that is fitted on the instrument connection and then placed into the mounting bracket.

PG 40

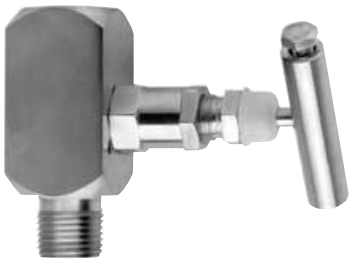
Type	Material	Instrument side	Length extension	Max weight	Process side
PG 40 bracket	Aluminium		60 mm 100 mm 160 mm	0.15 kg 0.18 kg 0.26 kg	
PG 40 bracket	AISI316		60 mm 100 mm 160 mm	0.17 kg 0.21 kg 0.26 kg	
PG 41 adaptor	AISI316 brass	bsp, npt. bsp, npt.			bsp, npt. bsp, npt.

Note* 1/2" BSP and 1/2" NPT are standard instrument connections.
Special executions on request.

stainless steel instrument needle valve N2

Stainless steel instrument needle valve model N2 is designed for applications requiring complete isolation or throttling of the process medium. This valve is available with a standard stem type HS with a conical tip to ensure perfect alignment for bubble tight shut-off.
This N2 valve is not available with a vent.
This valve is standard in AISI316 body with PTFE gland packing and has standard back seating to prevent stem blow out.
The stem has a burnished mirror finish for smooth valve operation.

Type	Process side	Instrument side	Max pressure	Max temp	Model
N2	1/4" npt-f	1/4" npt-f	400 bar	550 °C	FF
	3/8" npt-f	3/8" npt-f	400 bar	550 °C	FF
	1/2" npt-f	1/2" npt-f	400 bar	550 °C	FF
	3/4" npt-f	1/2" npt-f	400 bar	550 °C	FF
	3/4" npt-f	3/4" npt-f	400 bar	550 °C	FF
	1/4" npt-m	1/4" npt-f	400 bar	550 °C	MF
	3/8" npt-m	3/8" npt-f	400 bar	550 °C	MF
	1/2" npt-m	1/2" npt-f	400 bar	550 °C	MF



N2

Note* special materials and sizes available on request.
high pressure tip to 700 bar available.

stainless steel instrument needle valve B8

This block and bleed needle valve model B8 is designed for applications requiring bleeding or venting of the process medium. This valve is available with a standard stem type HS with a conical metal tip to ensure perfect alignment for bubble tight shut-off. The needle tip is self centering and non-rotating in the valve seat.
This valve is standard in AISI316 body with PTFE gland packing and has standard back seating to prevent stem blow out.
The stem has a burnished mirror finish for smooth valve operation.

Type	Process side	Instrument side	Max pressure	Max temp	Model
B8	1/4" npt-m	1/4" npt-f	400 bar	550 °C	MF
	3/8" npt-m	3/8" npt-f	400 bar	550 °C	MF
	1/2" npt-m	1/2" npt-f	400 bar	550 °C	MF
	3/4" npt-m	1/2" npt-f	400 bar	550 °C	MF
	3/4" npt-m	3/4" npt-f	400 bar	550 °C	MF
	1/4" npt-f	1/4" npt-f	400 bar	550 °C	FF
	3/8" npt-f	3/8" npt-f	400 bar	550 °C	FF
	1/2" npt-f	1/2" npt-f	400 bar	550 °C	FF

B8

Note* special materials and sizes available on request.
high pressure tip to 700 bar available.