



H. GURU INSTRUMENTS (NORTH INDIA) PVT. LTD.

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H.GURU
NORTH

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BOURDON OPERATED PRESSURE GAUGE

Ref. Standard : IS 3624

Dial Size : 100, 150, 250 mm (Die cast aluminium case) & 100, 150 mm (SS 304 & 316 case)

Accuracy : ±0.5% & 1%

Sensing Element : Bourdon Tube (SS 316L)

Connection Material : SS 316L

Gear Mechanism : SS 304

Case : Die cast aluminium & SS 304 with Bayonet Bezel as a standard (SS 316 Optional)

Protection : Weatherproof to IP-67 (IS/IEC 60947 Part I)

Process Connection : ¼, ¾, ½, BSP & NPT Male, M 20 X 1.5

Dial : Aluminium white background with black letters

Pointer : Micrometer zero adjustable (Black aluminium)

Window : Plane & Toughened glass

Mounting : Direct Bottom / Back entry / Surface with Bottom entry / Panel Back entry

Blow out disc : Provided

Suitability : -20 Deg C to +60 Deg C (Service Temperature)

Over range : 130% (FSD)

Optional : Glycerine Filled, Electric Contact

Accessories : Syphon, Gauge cock, Snubber, Needle valve



Kg/cm2	0 to 1	0 to 1.6	0 to 2	0 to 2.5	0 to 4	0 to 6	0 to 7	0 to 10	0 to 14	0 to 16	0 to 21	0 to 25	0 to 40	0 to 60	0 to 100	0 to 160	0 to 250	0 to 400	0 to 600
Bar	0 to 1	0 to 1.6	0 to 2	0 to 2.5	0 to 4	0 to 6	0 to 7	0 to 10	0 to 14	0 to 16	0 to 21	0 to 25	0 to 40	0 to 60	0 to 100	0 to 160	0 to 250	0 to 400	0 to 600

NOTE : VACUUM / COMPOUND GAUGE

Dial Size	Gauge Type	Bourdon/Connection/Movement	Case	Protection	Mounting
4 - 100 mm 6 - 150 mm 1 - 250 mm	P - Pressure	S - Bourdon S - Process Connection S - Movement	A - Die cast aluminium S - SS 304	W - Weather Proof	2 - Bottom 5 - Back



DIAPHRAGM SEAL PRESSURE GAUGE

Ref. Standard : IS 3624

Dial Size : 100, 150 mm

Accuracy : ± 0.5% & 1%

Sensing Element : Bourdon (SS 316L)

Connection Material : SS 316L

Gear Mechanism : SS 304

Protection Element: Diaphragm SS 316L (Teflon coating, Teflon Lining (Optional))

Case : Die cast aluminium & SS 304 with Bayonet Bezel as a standard (SS 316 Optional)

Protection : Weatherproof to IP-67 (IS/IEC 60947 Part I)

Top Chamber: SS 304L

Bottom Chamber : SS 316L

Filled Fluid : Silicone Oil

Process Connection : 3/8, 1/2, BSP & NPT Male, M 20 X 1.5

Dial : Aluminium white background with black letters

Pointer : Micrometer zero adjustable (Black aluminium)

Window : Plane & Toughened glass

Mounting : Direct Bottom / Back entry / Surface with Bottom entry / Panel Back entry

Blow out disc : Provided

Suitability : -20 Deg C to +60 Deg C (Service Temperature)

Over range : 130% (FSD)

Optional : Glycerine Filled, Electric Contact,

Accessories : Syphon, Gauge cock, Snubber, Needle valve



Kg/cm ²	0 to 1	0 to 1.6	0 to 2	0 to 2.5	0 to 4	0 to 6	0 to 7	0 to 10	0 to 14	0 to 16	0 to 21	0 to 25	0 to 40	0 to 60	0 to 100	0 to 160	0 to 250
Bar	0 to 1	0 to 1.6	0 to 2	0 to 2.5	0 to 4	0 to 6	0 to 7	0 to 10	0 to 14	0 to 16	0 to 21	0 to 25	0 to 40	0 to 60	0 to 100	0 to 160	0 to 250

NOTE : VACUUM / COMPOUND GAUGE

Dial Size	Gauge Type	Bourdon/Connection/Movement /Chamber	Case	Protection	Mounting
4 – 100 mm 6 – 150 mm	P – Pressure D – Diaphragm (Seal)	S – Bourdon/Process Connection /Movement S – Chamber	A – Die cast aluminium S – SS 304	W – Weather Proof	2 – Bottom 5 – Back



SCHAFFER DIAPHRAGM PRESSURE GAUGE

Ref. Standard : IS 3624

Dial Size : 100, 150 mm

Accuracy : $\pm 1.5\%$

Connection Material : SS 316L

Gear Mechanism : Brass

Sensing Element: Diaphragm SS 316L

Case : Die cast aluminium & SS 304 with Bayonet Bezel as a standard (SS 316 Optional)

Protection : Weatherproof to IP-67 (IS/IEC 60947 Part I)

Top Chamber: Die cast aluminium & SS 304L / SS 316L

Bottom Chamber : SS 304L / SS 316L

Process Connection : $\frac{3}{8}$, $\frac{1}{2}$, BSP & NPT Male, M 20 X 1.5

Dial : Aluminium white background with black letters

Pointer : Micrometer zero adjustable (Black aluminium)

Window : Plane glass & Toughened glass

Mounting : Direct Bottom entry & Surface with Bottom entry

Suitability : -20 Deg C to +60 Deg C (Service Temperature)

Over range : 130% (FSD)

Accessories : Syphon, Gauge cock, Snubber, Needle valve



Mmwc	0 to 400	0 to 600	0 to 1000	0 to 1600	0 to 2000	0 to 2500	0 to 4000	0 to 6000		
Kg/cm ²	0 to 1	0 to 2	0 to 2.5	0 to 4	0 to 6	0 to 7	0 to 10	0 to 14	0 to 16	0 to 21

NOTE : VACUUM / COMPOUND GAUGE

Dial Size	Gauge Type	Connection/Movement	Case	Protection	Mounting
4 - 100 mm 6 - 150 mm	P-Pressure SD - Schaffer Diaphragm	S - Process Connection / Chamber	A - Die cast aluminium S - SS 304	W - Weather Proof	2 - Bottom



NOTE : SCHAFFER DIAPHRAGM VACUUM / COMPOUND GAUGE

CAPSULE GAUGE PRESSURE GAUGE

Ref. Standard : IS 3624

Dial Size : 100, 150 mm

Accuracy : ±1.5%

Connection Material : SS 316L

Gear Mechanism : Brass

Sensing Element: Bellow Diaphragm SS 316

Case : Die cast aluminium & SS 304 with Bayonet Bezel

Protection : Weatherproof to IP-67 (IS/IEC 60947 Part I)

Process Connection : 3/8, 1/2, BSP & NPT Male, M 20 X 1.5

Dial : Aluminium white background with black letters

Pointer : Micrometer zero adjustable (Black aluminium)

Window : Plane glass & Toughened glass

Mounting : Direct/Projection with Bottom entry

Suitability : -20 Deg C to +60 Deg C (Service Temperature)

Over range : 130% (FSD)

Accessories : Syphon, Gauge cock, Snubber, Needle valve



Mmwc	0 to 400	0 to 600	0 to 1000	0 to 1600	0 to 2000	0 to 2500	0 to 4000	0 to 6000
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<u>Dial Size</u>	<u>Gauge Type</u>	<u>Connection/Movement</u>	<u>Case</u>	<u>Protection</u>	<u>Mounting</u>
4 - 100 mm 6 - 150 mm	P-Pressure C - Capsule	S -Process Connection	A - Die cast aluminium S - SS 304	W - Weather Proof	2 - Bottom 5 - Back



NOTE : CAPSULE VACUUM / COMPOUND GAUGE

DRAUGHT GAUGE PRESSURE GAUGE

Ref. Standard : IS 3624

Dial Size : 150X78 & 200X104 mm

Accuracy : ± 1.5%

Connection Material : Non ferrous

Gear Mechanism : Non ferrous

Sensing Element: Bellow Diaphragm SS 316

Case : Press Steel Fabricated Body (Sheet Metal)

Process Connection : ¼” BSP (M)

Dial : Aluminium white background with black letters

Pointer : Micrometer zero adjustable (Black aluminium)

Window : Plane glass & Toughened glass

Mounting : Direct Back entry

Suitability : -20 Deg C to +60 Deg C (Service Temperature)

Over range : 130% (FSD)



Mmwc	0 to 400	0 to 600	0 to 1000	0 to 1600	0 to 2000	0 to 2500	0 to 4000	0 to 6000
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NOTE : VACUUM / COMPOUND GAUGE

<u>Dial Size</u>	<u>Gauge Type</u>	<u>Connection / Movement / Diaphragm</u>	<u>Case</u>	<u>Protection</u>	<u>Mounting</u>
4 - 100 mm 6 - 150 mm	P-Pressure C - Capsule	N - Non ferrous (<u>Connection / Movement</u>) S - Bellow SS 316 (<u>Diaphragm</u>)	S - Press Steel Fabricated Body (Sheet Metal)	W - Weather Proof	5 - Back



NOTE : DRAUGHT VACUUM / COMPOUND GAUGE

DIFFERENTIAL PRESSURE GAUGE

Ref. Standard : IS 3624

Dial Size : 150 mm

Accuracy : ± 1.5%

Sensing Element: Diaphragm SS 316

Gear Mechanism : SS 304

Case : Die cast aluminium & SS 304 with Bayonet Bezel as a standard

Protection : Weatherproof to IP-67 (IS/IEC 60947 Part I)

Chamber: SS 304

Filled Fluid : Silicone Oil

Process Connection : 1/4" NPT (F) (1/2, BSP & NPT Male, M 20 X 1.5 through adopter)

Dial : Aluminium white background with black letters

Pointer : Micrometer zero adjustable (Black aluminium)

Window : Plane & Toughened glass

Mounting : Direct with Bottom & Back entry

Suitability : -20 Deg C to +60 Deg C (Service Temperature)

Over range : 130% (FSD)

Optional : Glycerine Filled, Electric Contact,

Accessories : Syphon, Gauge cock, Snubber, Needle valve, 2 / 3Way manifold



Mmwc	0 to 400	0 to 600	0 to 1000	0 to 1600	0 to 2000	0 to 2500	0 to 4000	0 to 6000
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Kg/cm ²	0 to 1	0 to 2	0 to 2.5	0 to 4	0 to 6	0 to 7	0 to 10	0 to 14	0 to 16	0 to 21	0 to 25
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Dial Size	Gauge Type	Connection/Movement /Chamber	Case	Protection	Mounting
6 – 150 mm	P – Pressure D – Diaphragm D - Differential	S –Process Connection /Movement S – Chamber	A – Die cast aluminium S – SS 304	W – Weather Proof	2 – Bottom 5 – Back



NOTE : DRAUGHT VACUUM / COMPOUND GAUGE

MERCURY IN STEEL RIGID STEM TEMPERATURE GAUGE

Ref. Standard : EN 13190

Dial Size : 100, 150 mm (Die cast aluminium case) & 100, 150 mm (SS 304 & 316 case)

Accuracy : ±1%

Bourdon Tube : SS 316L

Connection Material : SS 316

Gear Mechanism : SS 304

Case : Die cast aluminium & SS 304 with Bayonet Bezel as a standard (SS 316 Optional)

Protection : Weatherproof to IP-67 (IS/IEC 60947 Part I)

Process Connection : 3/8, 1/2, BSP & NPT Male, M 20 X 1.5 (Adjustable length 2000 mm max)

Dial : Aluminium white background with black letters

Pointer : Micrometer zero adjustable (Black aluminium)

Bulb / Stem Dia : 16/9, 12/9, 10/9 & 8/8

Bulb / Stem Material : SS 316

Window : Plane & Toughened glass

Mounting : Direct/Projection with Bottom & Back entry

Over range : 130% (FSD)

Optional : Glycerine Filled, Electric Contact

Accessories : Thermo well



°C	-38 to +50	0 to 50	0 to 100	0 to 120	0 to 150	0 to 200	0 to 250	0 to 300	0 to 400	0 to 500	0 to 600
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Dial Size	Gauge Type	Bourdon/Connection/Movement/Stem	Case	Protection	Mounting
4 - 100 mm 6 - 150 mm	H - Mercury (Hg) R - Rigid	S - Bourdon / Process Connection / Movement S - Stem / Bulb	A - Die cast aluminium S - SS 304	W - Weather Proof	3 - Bottom 7 - Back



MERCURY IN STEEL DISTANCE TYPE TEMPERATURE GAUGE

Ref. Standard : EN 13190

Dial Size : 100, 150 mm (Die cast aluminium case) & 100, 150 mm (SS 304 & 316 case)

Accuracy : ±1%

Bourdon Tube : SS 316L

Connection Material : SS 316

Gear Mechanism : SS 304

Case : Die cast aluminium & SS 304 with Bayonet Bezel as a standard (SS 316 Optional)

Protection : Weatherproof to IP-67 (IS/IEC 60947 Part I)

Process Connection : 3/8, 1/2, BSP & NPT Male, M 20 X 1.5 (Adjustable length 300 mm max)

Dial : Aluminium white background with black letters

Pointer : Micrometer zero adjustable (Black Aluminium)

Capillary : SS 304 Sheath (SS 304 Armour & PVC cover Optional)

Bulb / Stem Dia : 16/9, 12/9, 10/9 & 8/8

Bulb / Stem Material : SS 316

Window : Plane & Toughened glass

Mounting : Direct/Projection with Bottom & Back entry

Over range : 130% (FSD)

Optional : Glycerine Filled, Electric Contact

Accessories : Thermo well



°C	-38 to +50	0 to 50	0 to 100	0 to 120	0 to 150	0 to 200	0 to 250	0 to 300	0 to 400	0 to 500	0 to 600
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<u>Dial Size</u>	<u>Gauge Type</u>	<u>Bourdon/Movement/Connection/Stem</u>	<u>Case</u>	<u>Protection</u>	<u>Mounting</u>
4 - 100 mm 6 - 150 mm	H – Mercury (Hg) D- Distance	S – Bourdon / Movement S – Process Connection / Stem	A - Die cast aluminium S - SS 304	W – Weather Proof	1 – Bottom 5 – Back



GAS IN STEEL RIGID STEM TEMPERATURE GAUGE

Ref. Standard : EN 13190

Dial Size : 100, 150 mm (Die cast aluminium case) & 100, 150 mm (SS 304 & 316 case)

Accuracy : ±1%

Bourdon Tube : SS 316L

Connection Material : SS 316

Gear Mechanism : SS 304

Case : Die cast aluminium & SS 304 with Bayonet Bezel as a standard (SS 316 Optional)

Protection : Weatherproof to IP-67 (IS/IEC 60947 Part I)

Process Connection : 3/8, 1/2, BSP & NPT Male, M 20 X 1.5 (Adjustable length 2000 mm max)

Dial : Aluminium white background with black letters

Pointer : Micrometer zero adjustable (Black aluminium)

Bulb / Stem Dia : 16/9, 12/9, 10/9 & 8/8

Bulb / Stem Material : SS 316

Window : Plane & Toughened glass

Mounting : Direct/Projection with Bottom & Back entry

Over range : 130% (FSD)

Optional : Glycerine Filled, Electric Contact

Accessories : Thermo well



°C	0 to 100	0 to 120	0 to 150	0 to 200
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Dial Size	Gauge Type	Bourdon/Connection/Movement/Stem	Case	Protection	Mounting
4 - 100 mm 6 - 150 mm	G - Gas R - Rigid	S - Bourdon / Process Connection / Movement / Stem	A - Die cast aluminium S - SS 304	W - Weather Proof	3 - Bottom 7 - Back



GAS IN STEEL DISTANCE TYPE TEMPERATURE GAUGE

Ref. Standard : EN 13190

Dial Size : 100, 150 mm (Die cast aluminium case) & 100, 150 mm (SS 304 & 316 case)

Accuracy : ±1%

Bourdon Tube : SS 316L

Connection Material : SS 316

Gear Mechanism : SS 304

Case : Die cast aluminium & SS 304 with Bayonet Bezel as a standard (SS 316 Optional)

Protection : Weatherproof to IP-67 (IS/IEC 60947 Part I)

Process Connection : 3/8, 1/2, BSP & NPT Male, M 20 X 1.5 (Adjustable length 300 mm max)

Dial : Aluminium white background with black letters

Pointer : Micrometer zero adjustable (Black Aluminium)

Capillary : SS 304 Sheath (SS 304 Armour & PVC cover Optional)

Bulb / Stem Dia : 16/9, 12/9, 10/9 & 8/8

Bulb / Stem Material : SS 316

Window : Plane & Toughened glass

Mounting : Direct/Projection with Bottom & Back entry

Over range : 130% (FSD)

Optional : Glycerine Filled, Electric Contact

Accessories : Thermo well



°C	0 to 100	0 to 120	0 to 150	0 to 200
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<u>Dial Size</u>	<u>Gauge Type</u>	<u>Bourdon/Connection/Movement/Stem</u>	<u>Case</u>	<u>Protection</u>	<u>Mounting</u>
4 - 100 mm 6 - 150 mm	G - Gas D - Distance	S - Bourdon / Process Connection / Movement / Stem	A - Die cast aluminium S - SS 304	W - Weather Proof	1 - Bottom 5 - Back



BIMETAL TEMPERATURE GAUGE

Ref. Standard : EN 13190

Dial Size : 100, 150 mm (SS 304)

Accuracy : ±1%

Connection Material : SS 304

Case : SS 304 with Bayonet Bezel

Protection : Weatherproof to IP-67 (IS/IEC 60947 Part I)

Process Connection : 3/8, 1/2, BSP & NPT Male, M 20 X 1.5 (Adjustable length 500 mm max)

Dial : Aluminium white background with black letters

Pointer : Micrometer zero adjustable (Black aluminium)

Stem Dia : 9/9 & 8/8

Bulb / Stem Material : SS 304

Window : Plane & Toughened glass

Mounting : Direct/Projection with Bottom & Back entry

Over range : 130% (FSD)

Accessories : Thermo well



° C	0 to 50	0 to 100	0 to 120	0 to 150	0 to 200	0 to 250	0 to 300
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<u>Dial Size</u>	<u>Gauge Type</u>	<u>Bourdon/Connection/Movement/Stem</u>	<u>Case</u>	<u>Protection</u>	<u>Mounting</u>
4 - 100 mm 6 - 150 mm	B- Bimetal R- Rigid	S -Process Connection / Stem	S - SS 304	W - Weather Proof	3 - Bottom 7 - Back



VOLATILE LIQUID FILLED RIGID STEM TEMPERATURE GAUGE

Ref. Standard : EN 13190

Dial Size : 100, 150 mm (Die cast aluminium case)

Accuracy : $\pm 1.5\%$

Bourdon Tube : Brass

Connection Material : Mild Steel

Gear Mechanism : Brass

Case : Die cast aluminium

Protection : Weatherproof to IP-67 (IS/IEC 60947 Part I)

Process Connection : $\frac{3}{8}$, $\frac{1}{2}$, BSP & NPT Male (Adjustable length 400 mm max)

Dial : Aluminium white background with black letters

Pointer : Micrometer zero adjustable (Black aluminium)

Bulb / Stem Dia : 12/9, 10/9 & 9/9

Bulb / Stem Material : Brass

Window : Plane & Toughened glass

Mounting : Direct/Projection with Bottom entry

Over range : 130% (FSD)

Optional : Electric Contact

Accessories : Thermo well



°C	0 to 50	0 to 100	0 to 120	0 to 150	0 to 200	0 to 250	0 to 300
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<u>Dial Size</u>	<u>Gauge Type</u>	<u>Bourdon/Connection/Movement/Stem</u>	<u>Case</u>	<u>Protection</u>	<u>Mounting</u>
4 - 100 mm 6 - 150 mm	T- Thermometer (Volatile Liquid) R- Rigid	N - Bourdon / Movement/ Bulb / Stem	A - Die cast aluminium	W - Weather Proof	3 - Bottom

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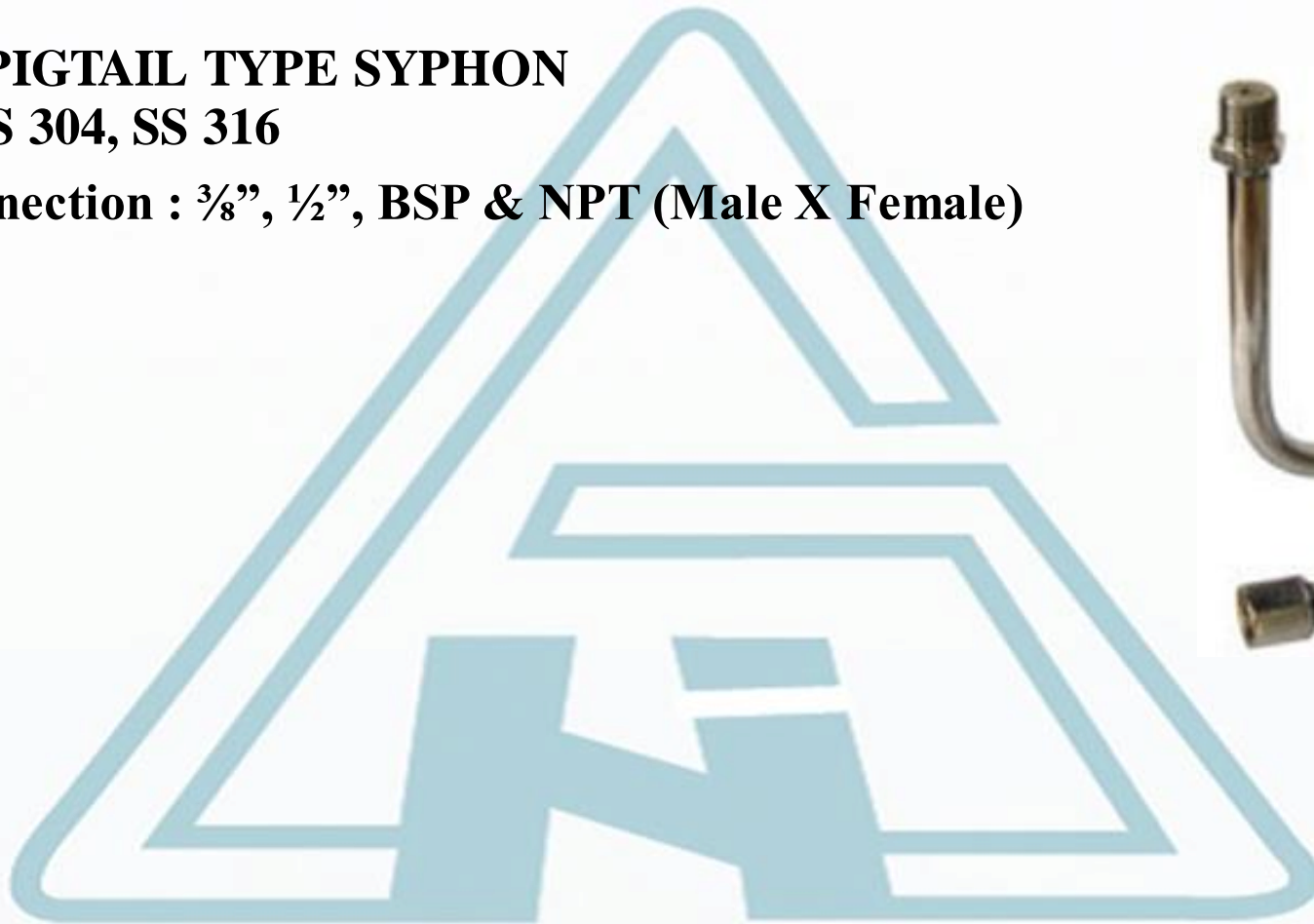
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U TYPE & PIGTAIL TYPE SYPHON

Material : SS 304, SS 316

Process Connection : $\frac{3}{8}$ " , $\frac{1}{2}$ " , BSP & NPT (Male X Female)



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2 WAY & 3 WAY GAUGE COCK

Material : SS 304, SS 316

Process Connection : $\frac{3}{8}$, $\frac{1}{2}$, BSP & NPT (Male / Female)

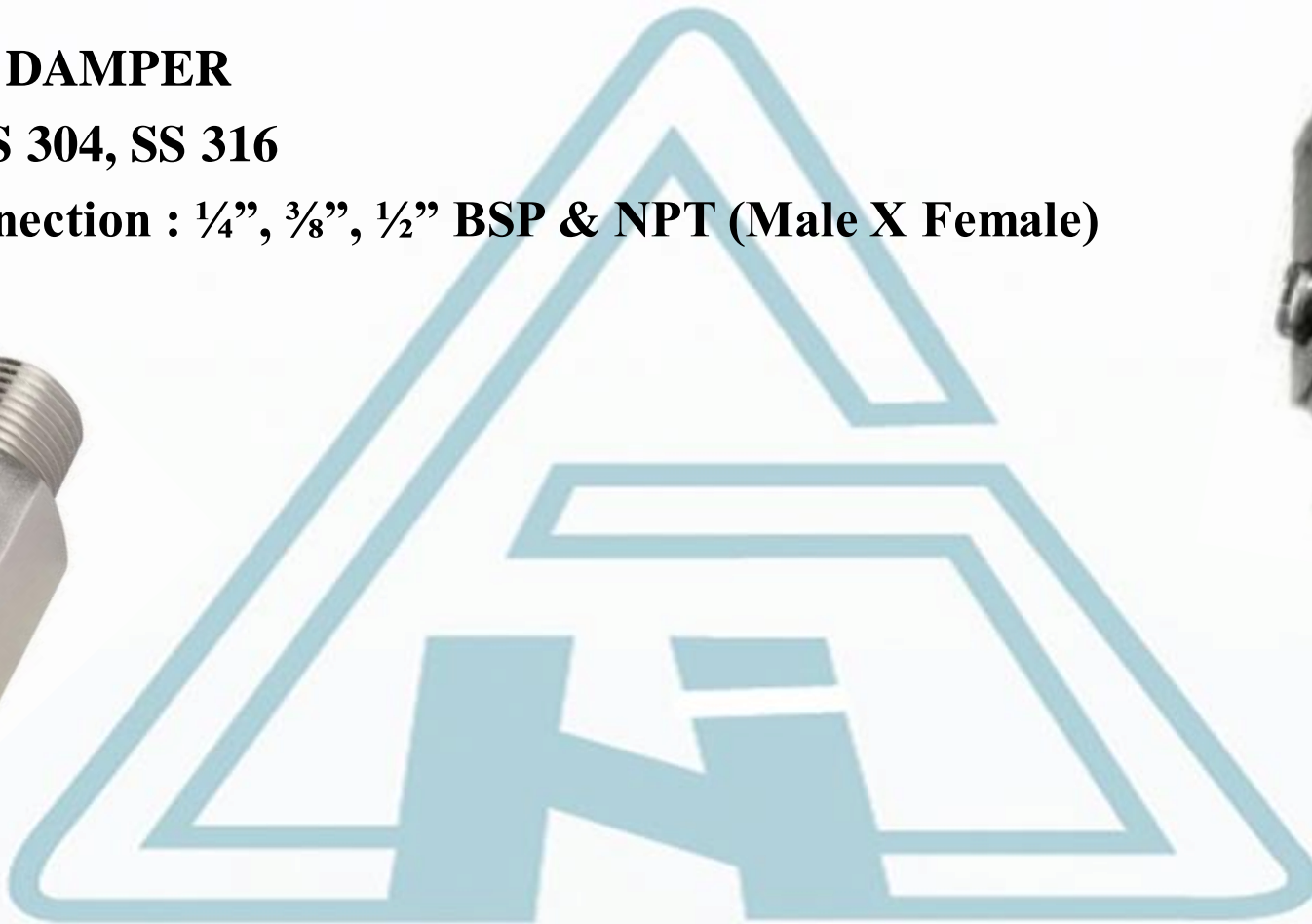


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SNUBBER / DAMPER

Material : SS 304, SS 316

Process Connection : 1/4", 3/8", 1/2" BSP & NPT (Male X Female)

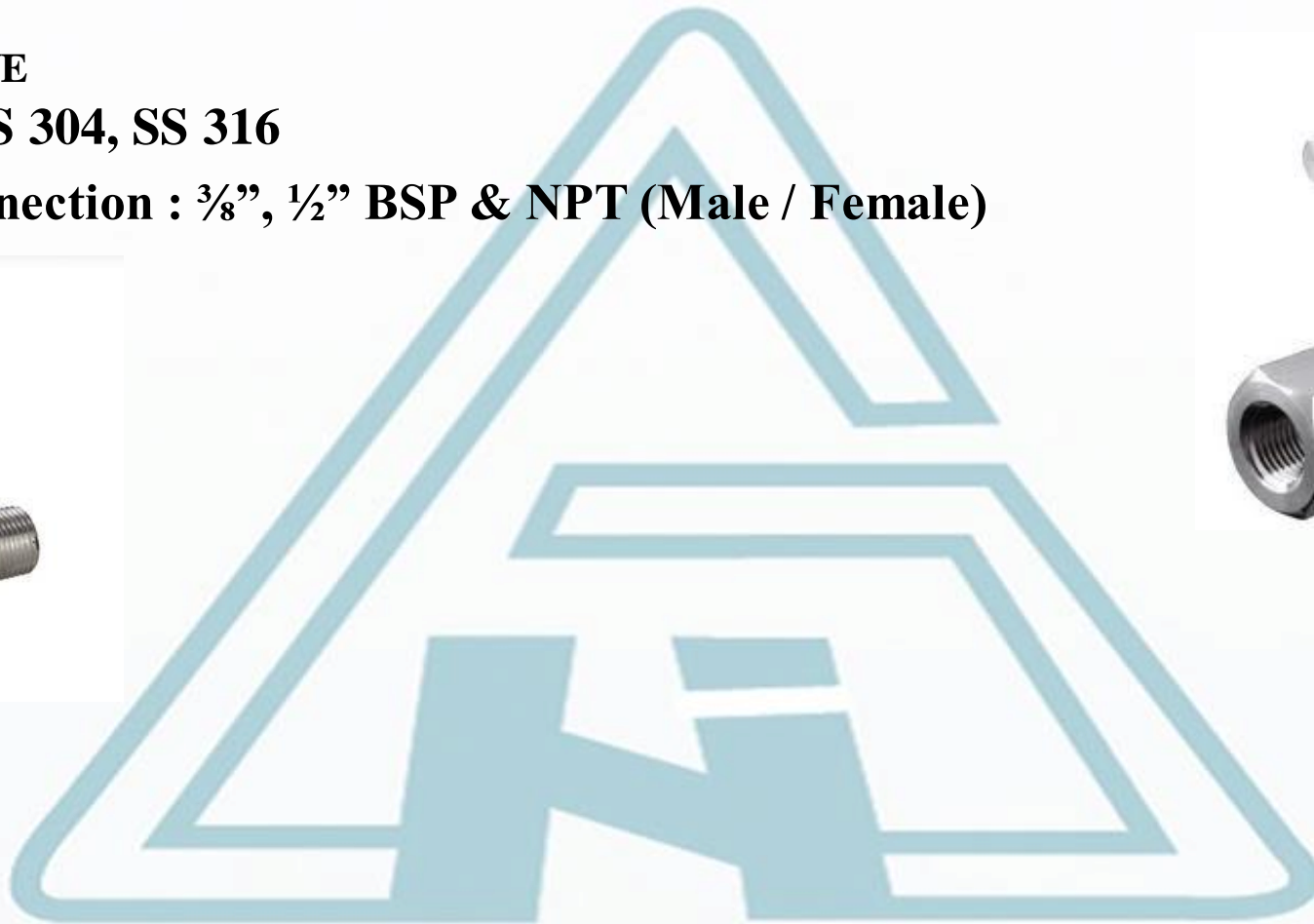


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NEEDLE VALVE

Material : SS 304, SS 316

Process Connection : $\frac{3}{8}$ " , $\frac{1}{2}$ " BSP & NPT (Male / Female)

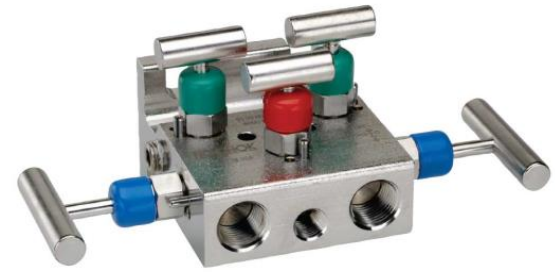


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2 WAY / 3 WAY / 5 WAY MANIFOLD VALVE

Material : SS 304, SS 316

Process Connection : ½" NPT Female X Female X ¼" Female



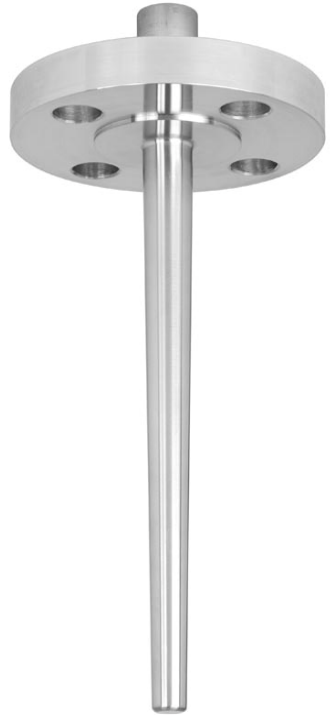
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THERMOWELL

Material : SS 304, SS 316

Process Connection : $\frac{3}{8}$ " , $\frac{1}{2}$ " BSP & NPT (Male X Female)

Flanged



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