



Engineering Excellence, Built to Last.



COMPLETE RANGE OF INDUSTRIAL VALVES AND AUTOMATION

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QUALITY IS OUR TOP PRIORITY

At SNG Services, we prioritize excellence in every aspect of sourcing, testing, and delivery, ensuring products with outstanding performance, durability, and reliability. Since day one, our mission has been to surpass customer expectations.

DIVERSE PRODUCT OFFERINGS

SNG Services specializes in supplying industrial valves and automation solutions tailored for both standard and customized requirements. Our range includes valves up to 1500mm (60") in size and supports services as high as ASME class 4500. From routine applications to the toughest conditions, we have the solution you need.

TAILORED TO YOUR REQUIREMENTS

Our valves are available with a vast array of materials, trims, and add-ons to suit your specific needs. Be it bypass systems, counterweights, or customized trims, SNG Services delivers tailored solutions. With a well-maintained inventory and swift procurement processes, we ensure quick delivery times for both standard and bespoke orders.

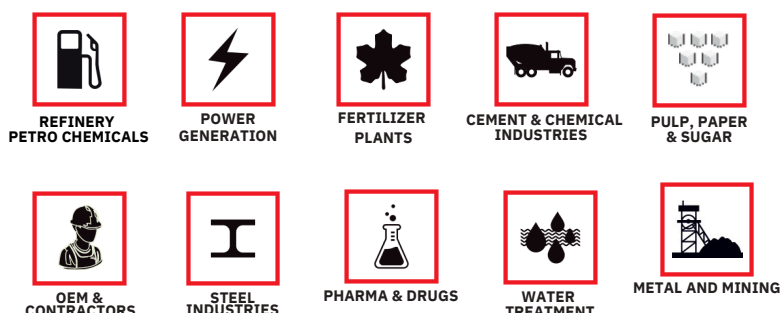
COMPREHENSIVE SUPPORT

From selecting the right product to long-term maintenance, we provide end-to-end support. Detailed technical documents, operation guides, and maintenance manuals are part of our service. Each valve undergoes stringent testing to ensure top-notch performance and reliability. Full serialization guarantees access to spare parts whenever needed.

OUR VISION

To redefine quality and reliability by offering innovative valve solutions that consistently exceed customer expectations.

SECTORS WE EMPOWER



BALL VALVES

TYPE OF VALVES: 1PC./2PC./3PC./THREE WAY/FOUR WAY AND (2PC.& 3PC. TRUNION MOUNTED) / JACKATED VALVES ON REQ

MANUFACTURING STANDARD: API 6D/BS 5351/BS 5159

INSPECTION & TESTING: BS 6755/ API 598

MATERIAL OF CONSTRUCTION: CAST IRON WCB/WC5/WC6/WC9/ CF8/CF8M/CF3/CF3 M4A/5A & OTHER SPECIAL EXOTIC ALLOYS.

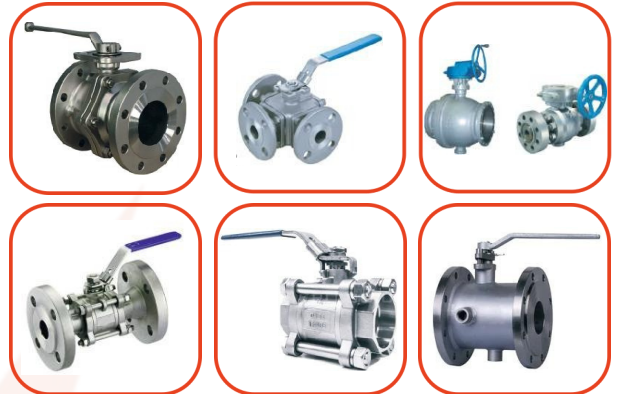
SEAT SEALS: PTFE/RPTFE/GFT/PEEK/METAL TO METAL

END CONNECTIONS: SCREWED TO BSP /BSPT/ NPT SOCKED WELD/ BUTT WELD WITH EXTENDED NIPPLE FLANGED ENDS/ BUTT WELD ENDS/ FF/ RF/ RTJ.

PRESSURE RATING: 125#/ 150#/300#600#/900#/1500#/2500#

OPERATION: LEVER /GEAR /ELECTRICAL ACTUATOR PNEUMATIC ROTARY ACTUATOR

SIZE RANGE: 8MM TO 1000MM



BUTTERFLY VALVES



TYPE OF VALVES: CENTRIC DISC DESIGN/OFFSET DISC DESIGN HIGH PERFORMANCE

MANUFACTURING STANDARD: API 609/BS 5155/IS 13095/ AWWA

INSPECTION & TESTING: BS 6755/AWWA

MATERIAL OF CONSTRUCTION: BODY :CAST IRON/WCB/CF8/CF8M/CF3/CF3M (ALSO AVAILABLE IN FABRICATED MATERIAL / TYPE)

SEAT: NITRILE/NEOPRENE/PTFE/VITON HYPALON/SILICON, METAL TO METAL

END CONNECTIONS: WAFER TYPE/DOUBLE FLANGED/LUG END PRESSURE

RATING: 125#/ 150#/300#/PN 1 0/PN 1.6 PN 2.0/PN 2.5/PN10/PN16

OPERATION: LEVER/ GEAR/ ELECTRICAL ACTUATOR PNEUMATIC ACTUATOR AND HYDRAULIC ACTUATOR

SIZE RANGE: 25MM TO 2000MM

GLOBE VALVES

TYPE OF VALVES: S-PATTERN & STRAIGHT PATTERN

MANUFACTURING STANDARD: BS 1873/DIN 1868/ASME B16.34

INSPECTION & TESTING: BS 6755/ API 598

MATERIAL OF CONSTRUCTION: CAST IRON /WCB/WC5/WC6/WC9/CF8/ CF8M/CF3/ CF3M/4A/5A & OTHER SPECIAL EXOTIC ALLOYS

END CONNECTIONS: SCREWED TO BSP/BSPT/NPTSOCKED WELD/ BUTT WELD ENDS / FLANGED ENDS / RTJ END

PRESSURE RATING: 125#/ 150#/ 300#/ 600#/ 900#/ 1500#/ 2500# PN 16/ PN 40/PN 64

OPERATION: MANUAL/GEAR ELECTRICAL ACTUATED AND PNEUMATIC ACTUATOR OPERATED

SIZE RANGE:15MM TO 1000MM



GATE VALVES

MANUFACTURING STANDARD: API 600, API 6D

INSPECTION & TESTING: API 598

MATERIAL OF CONSTRUCTION: CAST IRON

/WCB/WC5/WC6/WC9/ CF8/CF8M/CF3/ CF3M 4A/5A & THER SPECIAL EXOTIC ALLOYS.

END CONNECTIONS: SCREWED TO BSP/BSPT/NPT SOCKED WELD / BUTT WELD ENDS FLANGED ENDS / RTJ END

PRESSURE RATING: 125#/150#/300#/600#/900#/
1500#/2500#

OPERATION: MANUAL / GEAR, ELECTRICAL ACTUATED AND PNEUMATIC ACTUATOR OPERATED

SIZE RANGE: 25MM TO 1000MM



CHECK VALVES

TYPE OF VALVES: SWING TYPE/LIFT TYPE, NON-SLAM AND HIGH PRESSURE NRV (SPECIAL DESIGN)

MANUFACTURING STANDARD: BS 1868/API 6D

INSPECTION & TESTING: BS 6755/ API 598

MATERIAL OF CONSTRUCTION: CAST IRON

/WCB/WC5/WC6/WC9/ CF8/ CF8M/CF3/ CF3M 4A/5A & OTHER SPECIAL EXOTIC ALLOYS.

END CONNECTIONS: SCREWED TO BSP/BSPT/NPT SOCKED WELD / BUTT WELD ENDS FLANGED ENDS / RTJ END

PRESSURE RATING: ASA 125#/ 150#/300#600#/900#
1500#/2500#/ PN 16 / PN 40 / PN 64

SIZE RANGE: 15MM TO 1000MM



FORGE STEEL VALVE

TYPE OF VALVE: GATE, GLOBE, CHECK (LIFT TYPE)

BALL VALVE "Y" TYPE STRAINER

MANUFACTURING STANDARD: API 602/ BS 5352

INSPECTION & TESTING: API 598 / BS 6755 PART I

MATERIAL OF CONSTRUCTION: ASTM A105/F 304/F 316F 316L/F11/
F22 / LF 2, F51, & OTHER SP. FORGED GRADES.

END CONNECTIONS: SCREWED TO BSP/BSPT/NPTSOCKED WELD / BUTT WELD/FLANGED ENDS (FABRICATED)

PRESSURE RATING: ASA 800#/ 1500# / 2500# / 4500#

TYPE: STRAIGHT PATTERN AND "Y" TYPE PATTERN

SIZE RANGE: 15MM TO 50MM



PISTON VALVE

APPLICATION: STEAM, THERMIC FLUIDS, ACIDS, GASES, VACUUM AND OTHER CRITICAL MEDIA.

FEATURES / BENEFIT: SEATLESS, GLANDLESS, RENEWABLE SEALING RING.

ANSI CLASS / RATING: 150#, 300#, 800#

DESIGN STANDARD: ASME B16.34.

TESTING STANDARD: API 598. SIZE 15 TO 200 MM

MATERIALS: A105 , F304 , F316, F51,F53, F55, F347,F321,WCB, CF8,CF8M,INCONEL 625, MONEL 400, HASTELLOY C-276, ALLOY 20

ENDS: SCREWED END , SOCKET WELD END,

OPERATION: FLANGE END OPERATION MANUAL



PLUG VALVES



TYPE OF VALVES: PTFE SLEEVE/LUBRICATED/ SELF LUBRICATED TOP & BOTTOM ENTRY

MANUFACTURING STANDARD: API 599/API 6D/ BS 5353

INSPECTION & TESTING: API 598& EN 12266-1

MATERIAL OF CONSTRUCTION: CAST IRON /WCB/WC5/WC6/WC9/CF8/CF8M/CF3/ CF3M 4A/5A+ & OTHER SPECIAL EXOTIC ALLOYS

END CONNECTIONS: FLANGED/ BUTT WELD END/ SCREWED END/ SOCKETWELD END

PRESSURE RATING: 125#/150#/300#/600#/PN-10/PN-16.

SIZE RANGE: 25MM TO 450MM

FOOT VALVES

METALLIC FOOT VALVE FLANGED END / SCREWED END

TOP BODY : CI / WCB / SS 304 / SS 316 (BARSTOCK)

VALVES: CI / WCB / SS 304 / SS 316 (BARSTOCK)

SEAT: GUN METAL / EPDM / PTFE / METAL SEATED

COVER: CI / WCB / SS 304 / SS 316 (BARSTOCK)

NET: GALVANISED CS / SS 304/SS 316

BOLT & NUT: MS./SS 304

PACKING: RUBBER/PTFE

MFG STANDARD: IS - 4038 / QTC

END CONNECTION: FLANGED END D TABLE/ E TABLE/ASA 150#



CHECK VALVES

TYPE OF VALVES: DUAL PLATE, DISC TYPE, WAFER TYPE

CHECK VALVES

MANUFACTURING STANDARD: API 6D/API 594

INSPECTION & TESTING: API 598/API 594

MATERIAL OF CONSTRUCTION: C.I./M.S/SS 304 / SS 316

WCB/CF8/CF8M/CF3/CF3M/4A/5A

END CONNECTIONS: WAFER TYPE / FLANGED END

PRESSURE RATING: ASA 125#/ 150#/300#/600#/900# PN-16/
PN-40 AND PN-64

SIZE RANGE: 25MM TO 900MM



NEEDLE VALVES



MANUFACTURING STANDARD: AS PER REQUIREMENT

INSPECTION & TESTING: AS PER REQUIREMENT

MATERIAL OF CONSTRUCTION: AISI 304/AISI 316 AISI 304L/AISI
316L& DUPLEX.

END CONNECTIONS: SCREWED TO BSP/BSPT/NPT
SOCKET WELD TO ANSI B 16.11 BUTT WELD. / TUBE

END PRESSURE RATING: 3000 PSIG TO 10,000 PSIG

SIZE RANGE: 15MM TO 50MM

CONTROL VALVES

MANUFACTURING / INSPECTION & TESTING STANDARD:

CONFIRMS TO QUANTUM TECH CO. ASME B 16.34 / API 598 AS PER
CUSTOMER REQUIREMENT

SEAL LEAKAGE TEST STANDARD: FCI-10-2/ISA-RP-39.6 FACE TO
FACE: ISA-S 75.03/ASME B16. 10

END: ASME B16.58 / BS 1560

MATERIAL OF CONSTRUCTION: CARBON STEEL/ SS 304, SS 316 SS
304L/SS 316L, BRASS, GUNMETAL, AND OTHER ALLOYS.

END CONNECTIONS: FLANGE END RF/FF(150#/300#/600#)
SCREWED

TYPE: 2 WAY, 3 WAY, MOTORIZED, SELF SPRING RETURN,
DIAPHRAGM, SET SCREWED, PNEUMATIC AND
PILOT OPERATED TYPE

SIZE RANGE: 25 MM TO 600MM



KNIFE EDGE GATE VALVES

MANUFACTURING STANDARD: MSS SP-81 INSPECTION & TESTING: S SP-81

MATERIAL OF CONSTRUCTION: CAST IRON, CARBON STEEL/ SS 304, SS 316 SS 304L/SS 316L AND OTHER ALLOYS.

END CONNECTIONS: FLANGE TYPE, TWO LUGS, FULL LUGS, WAFER TYPE, FLANGE END

PRESSURE RATING: 150#/300#

OPERATION: MANUAL / GEAR, ELECTRICAL ACTUATED AND PNEUMATIC ACTUATOR OPERATED

SIZE RANGE: 50MM TO 1000MM



STRAINERS



TYPE OF VALVES: "Y" TYPE / "T" TYPE / POT TYPE / BASKET TYPE

MANUFACTURING STANDARD / INSPECTION & TESTING:

MFG. STANDARD/ BS 6755 PART I

MATERIAL OF CONSTRUCTION: CAST IRON /WCB/MS/CF8/CF8M/ CF3/ CF3M/CF3M/4A/5A & OTHER SPECIAL EXOTIC ALLOYS.

END CONNECTIONS: SCREWED TO BSP/ BSPT / NPT SCKED WELD/ FLANGED ENDS BUTT WELD ENDS.

PRESSURE RATING: ASA 125#/150#/300#/600#/900# PN-10/PN-10/PN-16/ND-40& PN-64

SIZE RANGE: 15MM TO 800MM

SIGHT GLASS

MANUFACTURING STANDARD: MFG. STANDARD

INSPECTION & TESTING: MFG. STANDARD

MATERIAL OF CONSTRUCTION: CAST IRON /WCB/WC5/WC6/ WC9/CF8/ CF8M/CF3/ CF3M 4A/5A & OTHER SPECIAL EXOTIC ALLOYS.

END CONNECTIONS: FLANGED ENDS / WAFER / SCREWED

PRESSURE RATING: PN 6/PN 10/PN 16/ASA 150#

SIZE RANGE: 15MM TO 200MM



DIAPHRAGM VALVES

MANUFACTURING STANDARD: BS-5156

INSPECTION & TESTING: BS-6755 PART-I

MATERIAL OF CONSTRUCTION: CAST IRON

/WCB/WC5/WC6/WC9/ CF8/CF8M/CF3 / CF3M4A/5A & OTHER
SPECIAL EXOTIC ALLOY

END CONNECTIONS: FLANGED ENDS AND BUTT WELD

PRESSURE RATING: ASA 150#/PN 10/PN 16

SIZE RANGE: 25MM TO 450MM



PP/HDPE VALVE & FITTINGS



TYPE OF VALVES: BALL VALVE, SIGHT GLASS, FOOT VALVES, BALL NRV, DIAPHRAGM VALVES, BUTTERFLY VALVES, DAMPER VALVES, Y TYPE & BASKET TYPE STRAINERS

TYPE OF FITTINGS: SHORT & LONG NECK STUBEND, S/O FLANGE, BLIND FLANGE, THREADED FLANGE, BEND, TEE, SPIGOT, TAIL PC FLANGED, REDUCER, END CAP, PLAIN & THREADED SOCKET (BEND & TEE)

Material Of Construction: PP, HDPE, PPH, PVDF

PINCH VALVES

TYPES OF VALVES & ACTUATORS: THE VALVE ARE AVAILABLE

MANUAL HAND WHEEL DRIVEN: PNEUMATIC CYLINDER

OPERATED – DOUBLE ACTING · ELECTRICAL OPERATED WITH

MANUAL OVER RIDE: HYDRAULIC LEVER OPERATED

Part	MATERIAL
Body	C.I. / WCB / ALLUMINIUM / SS
Pinching Bars	C.I. / WCB / ALLUMINIUM / SS
Elastomer Sleeve	NATURAL, NEOPRENE, BUTYL, EPDM, HYPALON, VITON, SPECIAL HIPRESSURE & HIGH ABRASSION VP-ABRP* SLEEVE
Spindle	AISI 410
Bridge	CAST STEEL (C.S)/M.S BAR STO
Lug's Clamp	MILD STEEL (M.S)
Spindle Clamp	ALLOY STEEL
Tie Bars	POLISH BAR MILD STEEL
Wheel Lock Pin	MILD STEEL (M.S)
Travel Limit Nut	MILD STEEL (M.S)
Hand Wheel	C.I IS 210GR. 20-25 (CAST IRON)
Hand Wheel Nut	MILD STEEL (M.S)
Lug Clamp Screw	MILD STEEL (M.S)
Det Screw	MILD STEEL (M.S)



FLUSH BOTTOM VALVE

"Y" TYPE & BALL TYPE FLUSH BOTTOM TANK VALVE

MOC: CS, SS 304, SS 316, SS316L(CASTED & FABRICATED)

END: FLANGED END ASA-150#

VALVE TYPE: OPEN IN TANK

OPERATION: HAND WHEEL OPERATED

SIZE: 25MM TO 200MM



STEAM TRAPS



MANUFACTURING STANDARD: IS 12268 / TD3 / FLANGED

INSPECTION & TESTING: AS PER REQUIREMENT

MATERIAL OF CONSTRUCTION: CAST IRON / CA 15/CF8/CF8M A 105/F11/F22

END CONNECTIONS: SCREWED TO BSP/ BSPT / NPT SCKED WELD TO ANSI B 16.11

PRESSURE RATING: ASA 800#/1500#/2500#

MAX INLET PRESSURE: 10KG/CM2/30KG/CM2 248KG/CM2/AT 204C

SIZE RANGE: 15MM TO 25MM - TD-3 15MM TO 50MM - FLOAT & BUCKET TYPE

PTFE LINED VALVES

TYPE OF VALVES: BALL VALVE / BALL CHECK VALVE / CONTROL VALVE / DIAPHRAGM / SIGHT GLASS BUTTERFLY / PLUG VALVE / GATE VALVE & GLOBE VALVES.

MANUFACTURING STANDARD:

API 5351/BS-5156/IS-2062/API 609/API 6D/ API 600.

INSPECTION & TESTING: API 598/API 6D/IS-2062

MATERIAL OF CONSTRUCTION: S G IRON/CAST IRON/WCB/CF8/CF8M/CF3/CF3M

LINING MATERIAL: PFA/FEP/PTFE/PVDF AND RUBBER.

END CONNECTIONS: WAFER/LUGGED END TYPE FOR BUTTERFLY & FLANGED ENDS

PRESSURE RATING: ASA 125#/150#/PN-1.6 AND PN-10.

SIZE RANGE: 15MM TO 200MM



AIR RELEASE VALVES

TYPE OF VALVES: SINGLE ACTING / DOUBLE ACTING KINETIC
TYPE ISOLATED

MANUFACTURING STANDARD: IS 14845

INSPECTION & TESTING: IS 14845

MATERIAL OF CONSTRUCTION: CAST IRON / CARBON STEEL
& GUN MATEKL

END CONNECTIONS: SCREWED ENDS/FLANGED ENDS (RF/FF)

PRESSURE RATING: ASA 125#/150#/300#/PN 1.6/PN10/PN16

SIZE RANGE: 25MM TO 600MM



SAFETY VALVES



TYPE OF VALVES: ORDINARY LIFT TYPE/ HIGH LIFT TYPE
FULL LIFT TYPE

MANUFACTURING STANDARD: API 526/AS PER CUSTOMER
REQUIREMENT.

INSPECTION & TESTING: AS PER REQUIREMENT

MATERIAL OF CONSTRUCTION: WCB/WC5/WC6/WC9/
CF8/CF8M/CF3/CF3M 4A/5A & OTHER SPECIAL EXOTIC ALLOYS.

END CONNECTIONS: FLANGED ENDS, SCREWED ENDS.

PRESSURE RATING: 150#/300#/PN40 AS PER REQUIREMENT

SIZE RANGE: 25MM TO 200 MM

PRESSURE REDUCING VALVES

MANUFACTURING STANDARD: CONFIRMS TO QUANTUM
TECH CO.(MFG STD)

INSPECTION & TESTING: AS PER CUSTOMER REQUIREMENT

MATERIAL OF CONSTRUCTION: CARBON STEEL/ SS 304,SS 316 SS
304L/SS 316L, BRASS, GUNMETA, & OTHER ALLOYS.

END CONNECTIONS: FLANGED ENDS(RF/FF)(150#/300#/600#)
SCREWED

PRESSURE & TEMPERATURE RATING: MAXIMUN INLET

PRESSURE: 3500PSI

MAXIMUM OPERATING TEMP: 350C

PERCENTAGE OF PRESSURE REDUCING: 85%

TYPE: SELF, SPRING RETURN, DIAPHRAGM, SET SCREWED AND
PILOT OPERATED TYPE.

SIZE RANGE: 10MM TO 350MM



BELLOW SEAL GLOBE VALVES



SPECIFICATIONS

END CONNECTION: FLANGE (B16.5) / BUTT WELD (B16.25)

SIZE: 15NB - 600NB

PRESSURE RATING: #150 - #1500

TEMPERATURE: -190°C TO 350°C

MOC: CARBON STEEL / STAINLESS STEEL / ALLOY

DESIGN STANDARD: MSS SP-117 / API 623

CYCLE LIFE: 3000-5000-10000 LIFE CYCLE

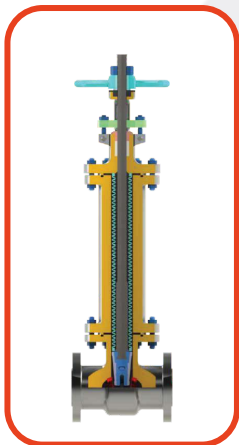
FACE TO FACE: ASME B16.10 REV 2009

OPERATING: MANUAL / GEAR / ACTUATED

FIRE SAFE DESIGN: APL 6FA

TESING: APL 598 REV 2009 / ISO 15848

BELLOW SEAL GATE VALVES



SPECIFICATIONS

END CONNECTION: FLANGE (B16.5) / BUTT WELD (B16.25) / SOCKET WELD (B-16.11)

SIZE: 15NB - 600NB

PRESSURE RATING: #150 - #1500

TEMPERATURE: -190°C TO 350°C

MOC: CARBON STEEL / STAINLESS STEEL / ALLOY

DESIGN STANDARD: MSS SP-117 / API 600 / API 602

CYCLE LIFE: 3000-5000-10000 LIFE CYCLE

FACE TO FACE: ASME B16.10 REV 2009

FIRE SAFE DESIGN: APL 6FA

TESING: APL 598 REV 2009 / ISO 154848

FORGED BELLOW SEAL VALVE (GATE



SPECIFICATIONS

TYPE: GLOBE VALVE / GATE VALVE

END CONNECTON: SOCKET WELD (B-16.11) / THREAD (BSP / NPT)

SIZE: 15NB - 50NB

PRESSURE RATING: #800 - #1500

TEMPERATURE: -190°C TO 350°C

MOC: CARBON STEEL / STAINLESS STEEL / ALLOY

DESIGN STANDARD: MSS SP-117 / API 600

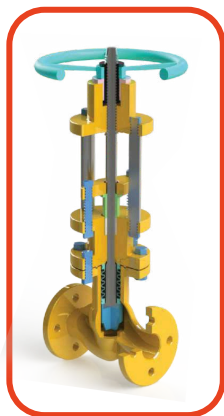
CYCLE LIFE: 3000-5000-10000 LIFE CYCLE

FACE TO FACE: ASME B16.10 REV 2009

FIRE SAFE DESIGN: APL 6FA

TESING: APL 598 REV 2009 / ISO 154848

EURO-CHLOR BELLOW SEAL VALVES



SPECIFICATIONS

END CONNECTON: FLANGE (B16.5) / BUTT WELD (B16.25)

SIZE: 15NB - 600NB

PRESSURE RATING: #150 - #900

TEMPERATURE: -190°C TO 350°C

MOC: CARBON STEEL / STAINLESS STEEL / ALLOY

DESIGN STANDARD: MSS SP-117 / API 623

CYCLE LIFE: 3000-5000-10000 CYCLE

FACE TO FACE: ASME B16.10 REV 2009

FIRE SAFE DESIGN: APL 6FA

TESING: APL 598 REV 2009 / ISO 154848

BELLOW SEAL GLOBE VALVE - EXTENDED STEM



SPECIFICATIONS

END CONNECTON: FLANGE (B16.5) / BUTT WELD (B16.25)

SIZE: 15NB - 600NB

PRESSURE RATING: #150 - #900

TEMPERATURE: -190°C TO 350°C

MOC: CARBON STEEL / STAINLESS STEEL / ALLOY

DESIGN STANDARD: MSS SP-117 / API 623 / API 600 / API 602

CYCLE LIFE: 3000-5000-10000 CYCLE

FACE TO FACE: ASME B16.10 REV 2009

FIRE SAFE DESIGN: APL 6FA

TESING: APL 598 REV 2009 / ISO 154848

BELLOW SEAL CONTROL VALVES



SPECIFICATIONS

END CONNECTON: FLANGE (B16.5) / BUTT WELD (B16.25)

SIZE: 15NB - 600NB

PRESSURE RATING: #150 - #900

TEMPERATURE: -190°C TO 350°C

MOC: CARBON STEEL / STAINLESS STEEL / ALLOY

DESIGN STANDARD: MSS SP-117 / API 623

CYCLE LIFE: 3000-5000-10000 CYCLE

FACE TO FACE: ASME B16.10 REV 2009

FIRE SAFE DESIGN: APL 6FA

TESING: APL 598 REV 2009 / ISO 154848

Valve size inches	Gate or Bellow Seal Gate Vavles Standard Port		Full Port Gate Valves	Globe Valves		Bellow Seal Globe Valves	
	150 - 800	900 - 1500	150 - 1500	150 - 800	150 - 1500	150 - 800	1500 - 2500
1/4"	2.6	2.6	2.6	2	2	1.5	-
1/2"	7	14	14	3	3	2.5	5
3/4	14	14	22	4	4	3.5	7
1	30	30	34	6	8	6	9
1.1/4	85	85	92	14	19	12	30
1.1/2	100	100	110	14	19	12	34
2	160	160	200	33	29	28	38

ASME B16.34 (2017) CWP & VALVE TEST PRESSURES COMMON GRADES PSI/MPA

WCB/A105/LF2/LF3 (1.1)

CLASS #	CWP-PSI	BODY TEST X 1.5 PSI	SEAT TEST X 1.1 PSI
150	285	427.50	313.50
300	740	1110.00	814.00
600	1480	2220.00	1628.00
800	1975	2962.50	2172.50
900	2220	3330.00	2442.00
1500	3705	5557.50	4075.50
2500	6170	9255.00	6787.00

CLASS #	CWP-MPA	BODY TEST X 1.5 MPA	SEAT TEST X 1.1 MPA
150	1.96	2.95	2.16
300	5.10	7.65	5.61
600	10.20	15.30	11.22
800	13.61	20.41	14.97
900	15.30	22.94	16.83
1500	25.53	38.29	28.08
2500	42.51	63.77	46.76

AIR TEST 80 PSI 0.55 MPA

WC6/WC9/F5/F11/F22 (1.7/1.9/1.10)

CLASS #	CWP-PSI	BODY TEST X 1.5 PSI	SEAT TEST X 1.1 PSI
150	290	435.00	319.00
300	750	1125.00	825.00
600	1500	2250.00	1650.00
800	2000	3000.00	2200.00
900	2250	3375.00	2475.00
1500	3750	5625.00	4125.00
2500	6250	9375.00	6875.00

CLASS #	CWP-MPA	BODY TEST X 1.5 MPA	SEAT TEST X 1.1 MPA
150	2.00	3.00	2.20
300	5.17	7.75	5.68
600	10.34	15.50	11.37
800	13.78	20.67	15.16
900	15.50	23.25	17.05
1500	25.84	38.76	28.42
2500	43.06	64.59	47.37

AIR TEST 80 PSI 0.55 MPA

CF8M/CF8/CF8C/CF3/CF3A/316/304/317/347 (2.1/2.2/2.5)

CLASS #	CWP-PSI	BODY TEST X 1.5 PSI	SEAT TEST X 1.1 PSI
150	275	412.50	302.50
300	720	1080.00	792.00
600	1440	2160.00	1584.00
800	1920	2880.00	2112.00
900	2160	3240.00	2376.00
1500	3600	5400.00	3960.00
2500	6000	9000.00	6600.00

CLASS #	CWP-MPA	BODY TEST X 1.5 MPA	SEAT TEST X 1.1 MPA
150	1.89	2.84	2.08
300	4.96	7.44	5.46
600	9.92	14.88	10.91
800	13.23	19.84	14.55
900	14.88	22.32	16.37
1500	24.80	37.21	27.28
2500	41.34	62.01	45.47

AIR TEST 80 PSI 0.55 MPA

316L/304L/CN7M(ALLOY 20)/M35-1/M35-2/CF3/CF3M (2.3/3.4/3.17)

CLASS #	CWP-PSI	BODY TEST X 1.5 PSI	SEAT TEST X 1.1 PSI
150	230	345.00	253.00
300	600	900.00	660.00
600	1200	1800.00	1320.00
800	1600	2400.00	1760.00
900	1800	2700.00	1980.00
1500	3000	4500.00	3300.00
2500	5000	7500.00	5500.00

CLASS #	CWP-MPA	BODY TEST X 1.5 MPA	SEAT TEST X 1.1 MPA
150	1.58	2.38	1.74
300	4.13	6.20	4.55
600	8.27	12.40	9.09
800	11.02	16.54	12.13
900	12.40	18.60	13.64
1500	20.67	31.01	22.74
2500	34.45	51.68	37.90

AIR TEST 80 PSI 0.55 MPA

F5, F5A, F11, F22, F51, F53, F55, C5 CE8MN, 4A, 5A, 6A, CD3MN (1.3/1.17/2.8)

CLASS #	CWP-PSI	BODY TEST X 1.5 PSI	SEAT TEST X 1.1 PSI
150	290	435.00	319.00
300	750	1125.00	825.00
600	1500	2250.00	1650.00
800	2000	3000.00	2200.00
900	2250	3375.00	2475.00
1500	3750	5625.00	4125.00
2500	6250	9375.00	6875.00

CLASS #	CWP-MPA	BODY TEST X 1.5 MPA	SEAT TEST X 1.1 MPA
150	2.00	3.00	2.20
300	5.17	7.75	5.68
600	10.34	15.50	11.37
800	13.78	20.67	15.16
900	15.50	23.25	17.05
1500	25.84	38.76	28.42
2500	43.06	64.59	47.37

AIR TEST 80 PSI 0.55 MPA

CAST IRON

CLASS #	CWP-PSI	BODY TEST X 1.5 PSI	SEAT TEST X 1.1 PSI
Table E (16 Bar)	232	348.00	255.20
Table E (14 Bar)	200	300.00	220.00
PN16 (16 Bar)	232	348.00	255.20
Class 125 (10 Bar)	150	225.00	165.00

CLASS #	CWP-MPA	BODY TEST X 1.5 MPA	SEAT TEST X 1.1 MPA
Table E (16 Bar)	1.60	2.40	1.76
Table E (14 Bar)	1.38	2.07	1.52
Table E (16 Bar)	1.60	2.40	1.76
PN10 (10 Bar)	1.00	1.50	1.10

AIR TEST 80 PSI 0.55 MPA

COMMON VALVE CASTING MATERIALS METALLURGY

Cast Alloy	Similar Wrought Designation	Specification	C	Cr	Ni	Mo	Cu	Fe	Other	Tensile (ksi)	Yield (ksi)	Elong
CA15	410	ASTM-A217, A743	0.15	11.5-14.0	1	0.5	0.5	BAL	-	90	65	18%
CF3	304L	ASTM-A351, A743, A744	0.03	17.0-21.0	8.0-12.0	0.5	-	BAL	-	70	30	35%
CF3M	316L	ASTM-A351, A743, A744	0.03	17.0-21.0	9.0-13.0	2.0-3.0	-	BAL	-	70	30	30%
CF8	304	ASTM-A351, A743, A744	0.08	18.0-21.0	8.0-11.0	0.5	-	BAL	-	70	30	35%
CF8M	316	ASTM-A351, A743, A744	0.08	18.0-21.0	9.0-12.0	2.0-3.0	-	BAL	-	70	30	30%
CN7M	Alloy 20	ASTM-A351, A743, A744	0.07	19.0-22.0	27.5-30.5	2.0-3.0	3.0-4.0	BAL	-	62	25	35%
CN2MCuN	904L		0.02	19.0-23.0	23.0-28.0	4.0-5.0	1.0-2.0	BAL	-	65	28	35%
952	Al Bronze Grade A	ASTM-B148	-	-	-	-	86.0 min	2.5-4.0	Al 8.5-9.5	65	25	20%
954	Aluminum- Bronze	ASTM-B148	-	-	1.5 max	-	83.0 min	3.0-5.0	Al 10.0-11.5	75	30	12%
CD4MCuN	Duplex Grade 1B	ASTM-A890, A995	0.04	24.5-26.5	4.75-6.0	1.75-2.25	2.7-5.3	2.5	N 0.10-0.25	100	70	16%
CD3MCuN	Duplex Grade 1C	ASTM-A890	0.03	24-26.7	5.6-6.7	2.9-3.8	1.4-1.9	BAL	N 0.22-0.33	100	65	25%
C E8MN	Duplex Grade 2A	ASTM-A351, A890, A995	0.08	22.5-25.5	8.0-11.0	3.00-4.50	-	BAL	N 0.10-0.30	95	65	25%
C D6 MN	Duplex Grade 3A	ASTM-A890, A995	0.06	24.0-27.0	4.0-6.0	1.75-2.50	-	BAL	N 0.10-0.25	95	65	25%
C D3 MN	Duplex Grade 4A	ASTM-A890, A995	0.03	21.0-23.5	4.5-6.5	2.5-3.5	1.00 max	BAL	N 0.10-0.30	90	60	25%
C E3MN	Duplex Grade 5A	ASTM-A890, A995	0.03	24.0-26.0	6.0-8.0	4.0-5.0	-	BAL	N 0.10-0.03	100	75	18%
WCA	Carbon Steel	ASTM-A216	0.25	0.5	0.5	0.2	0.3	BAL	-	60-85	30	24%
WCB	Carbon Steel	ASTM-A216	0.3	0.5	0.5	0.2	0.3	BAL	-	70-95	36	22%
WCC	Carbon Steel	ASTM-A216	0.25	0.5	0.5	0.2	0.3	BAL	-	70-95	40	22%
LCB	Carbon Steel	ASTM-A352	0.3	0.5	0.5	0.2	0.3	BAL	-	65	35	24%
LCC	Carbon Steel	ASTM-A352	0.25	0.5	0.5	0.2	0.3	BAL	-	70	40	22%
LC2		ASTM-A352	0.25	-	2.00-3.00	0.45-0.65	-	BAL	-	70.0-95.0	40	24%

GUN METAL

TYPE OF VALVES: GATE/GLOBE/CHECK/BALL VALVE SRV/PRV/NRV/
HORIZOBTAL NRV

MANUFACTURING STANDARD: IS 778 CL-I / MGF. STANDARD

INSPECTION & TESTING: IS: 318 GR. LTB2 AND AS PER CUSTOMER
REQUIREMENT

END CONNECTIONS: SCREWED TO BSP/BSPT/NPT SOCKET WELD AND
FLANGED ENDS.

SIZE RANGE: 15MM TO 200MM



ELECTRICAL ACTUATOR BUTTERFLY VALVES



ELECTRICAL ACTUATOR OPERATED BUTTERFLY VALVE PN 16. BODY :
CI , WCB , SS , SPECIAL ALLOY

DISC: S. G. IRON / CF8 / CF8M

SEAT: EPDM / NBR / VITON / SILICON / PTFE

VALVE RATING: PN 16 / 150# / 300#

BODY PRESSURE: 16KG/CM2 - SEAT PRESSURE : 16KG/CM2

E.A TYPE: ON - OFF / MODULATING / INTELLIGENT
(REMOTE OPERATED)

VOLTAGE: 24V, 36V, 110V, 220V, 380V (THREE PHASE)

FEED BACK / LIMIT SWITCH: INBUILT WITH AUXILIARY PASSIVE
CONTACT

MANUAL OVER RIDE: INBUILT KEY TYPE / WHEEL TYPE

TEMPERATURE: 120°C LEAKAGE CLASS : TIGHT SHUT OFF

ENDS: WAFER TYPE/DOUBLE FLANGED/LUG END

SIZE RANGE: 25MM TO 1200MM

ELECTRICAL ACTUATOR BALL VALVE - 2 WAY

ELECTRICAL ACTUATOR OPERATED BALL VALVE

BODY: CI , WCB , SS , SPECIAL ALLOY

TRIMS: S. G. IRON / CF8 / CF8 M

SEAT: PTFE / CFT / PEEK

VALVE RATING: 150# / 300# / 800#

E.A TYPE: ON - OFF / MODULATING / INTELLIGENT (REMOTE OPERATED)

VOLTAGE: 24V, 36V, 110V, 220V, 380V (THREE PHASE) FEED BACK / LIMIT

SWITCH: INBUILT WITH AUXILIARY PASSIVE CONTACT

MANUAL OVER RIDE: INBUILT KEY TYPE / WHEEL TYPE

TEMPERATURE: 120°C LEAKAGE CLASS : TIGHT SHUT OFF

ENDS: SCREWED END/SW END/ FLANGED END

SIZE RANGE: 15MM TO 600MM



BALL VALVE 3-4 WAY ELECTRICAL ACTUATOR

ELECTRICAL ACTUATOR OPERATED BALL VALVE BODY : CI , WCB ,
SS , SPECIAL ALLOY

TRIMS: S. G. IRON / CF8 / CF8 M

SEAT: PTFE / CFT / PEEK

VALVE RATING: 150# / 300#

E.A TYPE: ON - OFF / MODULATING / INTELLIGENT (REMOTE
OPERATED)

VOLTAGE: 24V, 36V, 110V, 220V, 380V (THREE PHASE) FEED BACK

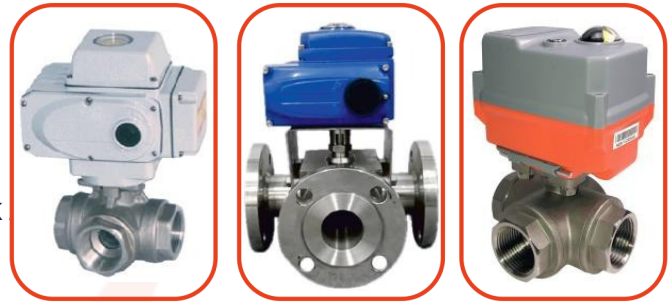
LIMIT SWITCH: INBUILT WITH AUXILIARY PASSIVE CONTACT

MANUAL OVER RIDE: INBUILT KEY TYPE / WHEEL TYPE

TEMPERATURE: 120°C LEAKAGE CLASS : TIGHT SHUT OFF

ENDS: SCREWED / FLANGED / SOCKET WELD / TRICLOVER

SIZE RANGE: 15MM TO 300MM



PNEUMATIC ACTUATOR OPERATED BALL VALVE

PNEUMATIC ACTUATOR OPERATED DESIGN: BALL VALVE FLANGED END

BODY: CI/WCB/CF8/CF8M

BALL: MS/CF8/CF8M DESIGN : 3 PCS /2PCS/1PCS

SEAT: PTFE / CFT / PEEK

PRESSURE: 10KG/CM2 PN. PRESSURE : 3.5 BAR

TEMPERATURE: 180OC

ENDS: FLANGED END ASA 150#

MEDIA: AIR, WATER, OIL, GAS, STEAM LEAKAGE CLASS : CLASS VI

ACT. OPER. PRESS. : 35 TO 150 PSI

TEMPERATURE: -020 TO 95°C

AIR: FILTERED DRY AIR



PNEUMATIC ACTUATOR OPERATED BUTTERFLY VALVE

PNEUMATIC ACTUATOR OPERATED DESIGN BUTTERFLY VALVE FLANGED END

BODY: CI/WCB/CF8/CF8M

DISC: MS/CF8/CF8M

DESIGN: CENTRIC DISC DESIGN/OFFSET DISC DESIGN

SEAT: PTFE / CFT / PEEK

PRESSURE: 10KG/CM2 PN. PRESSURE : 3.5 BAR

TEMPERATURE: 180OC

ENDS: FLANGED END ASA 150#

MEDIA: AIR, WATER, OIL, GAS, STEAM LEAKAGE CLASS : CLASS VI

ACT. OPER. PRESS. : 35 TO 150 PSI

TEMPERATURE: -020 TO 95°C

AIR: FILTERED DRY AIR



DIAPHRAGM OPERATED SOLENOID VALVE

SIZE RANGE: 1/2" TO 1"

BOY: CF8 /CF8M DIAPHRAGM : NITRILE

ENDS: SCREWED

PRESSURE: 0 TO 6 KG/ CM

TEMP: 150 C MAX.

MEDIA: STEAM

AVAILABLE VOLT: ALL STD. VOLTAGE AVAILABLE



STEAM SOLENOID VALVE



2 / 2 WAY DIRECT ACTING

SIZE RANGE: 1/2" TO 3" BODY : ALUMINUM DIE CAST / SS / BRASS

DIAPHRAGM: NEOPRENE / NITRILE / PU

PRESSURE: 0.6 TO 10 BAR

TEMP: 80 C MAX. (UPTO 125 C ON REQUEST)

AVAILABLE VOLT: ALL STD. VOLTAGE AVAILABLE

DUST COLLECTOR SOLENOID VALVE

PULSE VALVE SIZE RANGE: 1/2" TO 3"

BOY: ALUMINUM DIE CAST / BRASS

DIAPHRAGM: NEOPRENE / NITRILE / PU

PRESSURE: 0.6 TO 10 BAR

TEMP: 80 C MAX. (UPTO 125 C ON REQUEST)

AVAILABLE VOLT: ALL STD. VOLTAGE AVAILABLE



ROUND BODY MIDGET TYPE Pneumatic Cylinder Single / Double Acting  <p>Bore Size :12, 16,20& 50mm Stroke : Upto 1000mm End Cover : Aluminum Barrel : Aluminum / Brass Seals : Buna - N Piston : Brass / Aluminum Piston Rod : EN 8 / S. Steel Pressure : Upto 12 Bar Temp. : 85 C Max. Media : Air & Gas</p>	ISO 6431 & CETOP Pneumatic Cylinder Single / Double Acting  <p>Bore Size : 32mm to 160mm Stroke : Upto 2500mm End Cover : Aluminum Barrel : Aluminum / Brass Seals : Buna - N Piston : C.I. / M.S. Piston Rod : EN 8 / S. Steel Pressure : Upto 12 Bar Temp. : 85 C Max. Media : Air & Gas</p>	POSITION INDICATOR MICRO LIMIT SWITCH  <p>MICRO LIMIT SWITCH 2 NO + 2NC WITH ADJUSTABLE M.S. CLAMP POWDER COATED WEATHER PROOF IP : 67 (EXPLOSION PROOF AVAILABLE) (MICRO SWITCH CERTIFICATION : CE,RU,DVE,SA,S)</p>	F + R + L SET (Filter+Regulator+Lubricator)  <p>Bore : Aluminum Press. Die Cast Size : 1/2" & 1/4" Bowl : Polycarbonate With Metal Guard Element : 25 Micron Oper.Press. : Upto 10 Kg/CM</p>	SOLENOID VALVE 3/2, 5/2 & 5/3 Single / Double  <p>Size : 1/4" 1/2" BSP / NPTI Pressure : Upto 10 Kg / CM Media : Air Coil : All std. Voltage Available</p>
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PNEUMATIC ACTUATOR

DESIGN: ISO 5211

ACTUATOR: SINGLE & DOUBLE ACTING

TYPE: RACK & PINION - SCOTCH YOKE TYPE

MOUNTING: NAMUR

ROTATION ANGLE: 90 TO 180

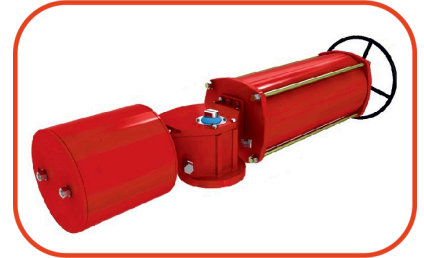
BODY: EXTRUDED ALUMINUM PIPE

SEALS: NITRILE / BUNA-N

PRESSURE: 15 TO 150PSI

TEMPERATURE: -20C & 90C

TORQUE UPO 450NM AT 52KG/CM
(PNEUMATIC PRESS.)



ELECTRICAL ACTUATOR



BODY: ALUMINIUM ALLOY

TYPE: ON - OFF / MODULATING / INTELLIGENT (REMOTE)

CHARACTERISTICS: QUARTER TURN 0-90 DEGREE ROTATION

PROTECTION: IP 67 WEATHER PROOF PTL / EXPLOSIONPROOF
(OHQ MODEL) POWER OFF

POSITION: STAY PUT

INSULATING: CLASS "F" TEMPERATURE : 20C TO 80C

INDICATOR: CONTINUOUS POSITION INDICATOR FEED BACK / LIMIT

SWITCH: INBUILT WITH AUXILIARY PASSIVE CONTACT MANUAL

OVER RIDE: INBUILT KEY TYPE / WHEEL TYPE

VOLTAGE: 24V, 36V, 110V, 220V, 380V(THREE PHASE)

FLANGES & PIPE FITTINGS

MATERIAL OF CONSTRUCTION: MS / A105/AISI 304/304L/316/316L

RATING: ASA 150# TO 250# / ND-16/ND-40 BS 10 TABLE E/D/F/K/J/ JIS/ DIN

SIZE RANGE: CAST IRON / CA 15/CF8/CF8M A 105/F11/F22

END CONNECTIONS: SCREWED TO BSP/ BSPT / NPT

SOCKET WELD TO ANSI B 16.11

PRESSURE RATING: ASA 800#/1500#/2500#

MAX INLET PRESSURE:

10KG/CM²/30KG/CM² 248KG/CM²/AT 204C

SIZE RANGE:

15MM TO 25MM - TD-3

15MM TO 50MM - FLOAT & BUCKET TYPE



CUPRO NICKEL FLANGES



SPECIFICATIONS: ASTM / ASME SB 61 / 62 / 151 / 152

SIZE: 1/2" 36"

DIMENSIONS: ANSI/ASME B16.5, B 16.47 SERIES A & B, B16.48, BS4504, BS 10, EN-1092, DIN, ETC

STANDARDS: ANSI FLANGES, ASME FLANGES, BS FLANGES, DIN FLANGES, EN FLANGES, ETC.

CLASS / PRESSURE: 150#, 300#, 600#, 900#, 1500#, 2500#, PN6, PN10, PN16, PN25, PN40, PN64 ETC.

FLANGE FACE TYPE: FLATE FACE (FF), RAISED FACE (RF), RING TYPE JOINT (RTJ)

STAINLESS & DUPLEX STEEL



RANGE: 15 NB UP TO 600 NB IN 150 LBS , 300 LBS, 400 LBS , 600 LBS , 900 LBS , 1500 LBS , 2500 LBS / TABLE 2.5 , TABLE 6 , TABLE 10, TABLE 16, TABLE 25 , TABLE 40, TABLE 64, TABLE 160, TABLE 320, TABLE 400

FORM: SLIP ON , SOCKET WELD , BLIND , LAPPED , SCREWED , WELD NECK , REDUCING , SPECTACLE ,SLIP ON BOSS , PLATE , PLATE BLANK , SCREWED BOSS.

STAINLESS STEEL: ASTM / ASME SA 182 F 304 , 304L , 304H, 309H, 310H , 316 , 316H , 316L , 316 LN , 317 , 317L , 321 , 321H , 347H.

DUPLEX STEEL: ASTM / ASME SA 182 F 44 , F 45 , F51 , F 53 , F 55 , F 60 , F 61.

CARBON & ALLOY STEEL



RANGE: 15 NB UP TO 600 NB IN 150 LBS , 300 LBS, 400 LBS , 600 LBS , 900 LBS , 1500 LBS , 2500 LBS / TABLE 2.5 , TABLE 6 , TABLE 10, TABLE 16, TABLE 25 , TABLE 40, TABLE 64, TABLE 160, TABLE 320, TABLE 400

FORM: SLIP ON , SOCKET WELD , BLIND , LAPPED , SCREWED , WELD NECK , REDUCING , SPECTACLE, SLIP ON BOSS , PLATE , PLATE BLANK , SCREWED BOSS

CARBON STEEL: ASTM / ASME A 105 , ASTM / ASME A 350 LF 2 .

ALLOY STEEL: ASTM / ASME A 182 GR F 5, F 9 , F 11 , F 12 , F 22 , F 91

NICKEL & COPPER ALLOY



RANGE: 15 NB UP TO 600 NB IN 150 LBS , 300 LBS, 400 LBS , 600 LBS , 900 LBS , 1500 LBS , 2500 LBS / TABLE 2.5 , TABLE 6 , TABLE 10, TABLE 16, TABLE 25 , TABLE 40, TABLE 64, TABLE 160, TABLE 320, TABLE 400

FORM: SLIP ON , SOCKET WELD , BLIND , LAPPED , SCREWED , WELD NECK , REDUCING , SPECTACLE, SLIP ON BOSS , PLATE , PLATE BLANK , SCREWED BOSS

NICKEL ALLOY: ASTM / ASME SB 564 UNS 2200 (NICKEL 200) , UNS 4400 (MONEL 400) , UNS 8825 INCONEL (825) , UNS 6600 (INCONEL 600) , UNS 6601 (INCONEL 601) , UNS 6625 (INCONEL 625) ,UNS 10276 (HASTELLOY C 276)

ASTM / ASME SB 160 UNS 2201 (NICKEL 201)

ASTM / ASME SB 472 UNS 8020 (ALLOY 20 / 20 CB 3)

COPPER ALLOY:

ASTM / ASME SB 61 UNS NO. C 92200 & ASTM / ASME SB 62 UNS NO. C 83600.

ASTM / ASME SB 151 UNS NO. 70600 , 71500 , C 70600 (CU -NI- 90/10) , C 71500 (CU -NI- 70/30)

ASTM / ASME SB 152 UNS NO C 10100 , C 10200 , C 10300 , C 10800 , C 12000 , C 12200

HASTELLOY



GRADES: HASTELLOY C-22, HASTELLOY C-276, HASTELLOY C-2000

SIZE: 1/2"NB TO 12"NB

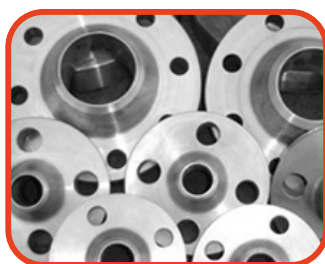
STANDARD: ASTM, ASME, API, AISI, BS, ANSI, DIN, JIS, MSSP, NACE

TYPES: SOCKET WELD, SLIP ON, BLIND, LAPPED, SCREWED, WELD NECK, LONG WELD NECK, REDUCING, SPECTACLE, RING JOINT

FEATURES:

DURABILITY | CORROSION RESISTANCE | DIMENSIONAL ACCURACY |
HIGH STRENGTH | EXCELLENT FINISH

INCONEL



GRADES: INCONEL 600, INCONEL 601, INCONEL 625, INCONEL 625LCF, INCONEL 686, INCONEL 718, INCONEL 800, INCONEL 825, INCONEL X-750

SIZE: 1/2 INCH - 48 INCH (15MM - 1200MM)

STANDARD: ANSI/ASME B16.5, ANSI B16.47 API, DIN, JIS, BS

TYPES: SOCKET WELD, SLIP ON, BLIND, LAPPED, SCREWED, WELD NECK, LONG WELD NECK, REDUCING, SPECTACLE, RING JOINT

FEATURES:

DURABILITY | CORROSION RESISTANCE | DIMENSIONAL ACCURACY
HIGH STRENGTH | EXCELLENT FINISH

INCOLOY



GRADES: INCOLOY 800, INCOLOY 825, INCOLOY 925, INCOLOY A-286, INCOLOY DS

FLANGES GRADE: ASTM A 182 F 304/L; 316/L; 317/L; 309; 310; 321; 347; 904L.

TYPE: SORF, BLRF, WNRF, SOLJ

CLASS: 50 TO 3000

FLANGES RANGE: DN15 UPTO DN1800 IN 150 LBS, 300 LBS, 400 LBS, 600 LBS, 900 LBS, 1500 LBS, 2500 LBS / TABLE 2.5, TABLE 6, TABLE 10, TABLE 16, TABLE 25, TABLE 40, TABLE 64, TABLE 160, TABLE 320, TABLE 400

TYPES: SOCKET WELD, SLIP ON, BLIND, LAPPED, SCREWED, WELD NECK, LONG WELD NECK, REDUCING, SPECTACLE, RING JOINT

FEATURES:

DURABILITY | CORROSION RESISTANCE | DIMENSIONAL ACCURACY
HIGH STRENGTH | EXCELLENT FINISH

MONEL



GRADES: MONEL 400, MONEL K500

RANGE: 1/2" NB TO 60" NB

TYPES: SOCKET WELD, SLIP ON, BLIND, LAPPED, SCREWED, WELD NECK, LONG WELD NECK, REDUCING, SPECTACLE, RING JOINT

FEATURES:

DURABILITY | CORROSION RESISTANCE | DIMENSIONAL ACCURACY
HIGH STRENGTH | CHEMICAL RESISTANCE | EXCELLENT FINISH

TITANIUM



SPECIFICATIONS

1. **MATERIAL:** TITANIUM.
2. **GRADE:** GR2, GR5, GR7, GR9.
3. **STANDARDS:** DIN,ASTM,BS.
4. **APPLICATION:** BICYCLES,MOTORS,CHEMICALS.

DESCRIPTION

STANDARDS: DIN,ASTM,BS.

STRENGTH: SUPERIOR QUALITY, FAST DELIVERY, COMPETITIVE PRICE AS WELL AS HUMANIZED AFTER-SALES SERVICE.

FEATURES: LOW DENSITY, RUSTLESS, GOOD ANTIWEAR PROPERTY, HIGH STRENGTH.

SIZE: SET THE SIZE ACCORDING TO THE CUSTOMERS' REQUIREMENTS.

Element	Composition, %					
	Gr2	Gr5	Gr7	Gr9	Gr11	Gr12
N max	0.03;	0.05	0.03	0.03	0.03	0.03
C max	0.08	0.08	0.08	0.08	0.08	0.08
H max	0.015	0.015	0.015	0.015	0.015	0.015
Fe max	0.30	0.40	0.50	0.25;	0.20	0.30
O max	0.25	0.20	0.25	0.15	0.18	0.25
Al max		5.5~6.75		2.5~3.5		
V max		3.5~4.5		2.0~3.0		
Pd max			0.12~0.25		0.12~0.25	

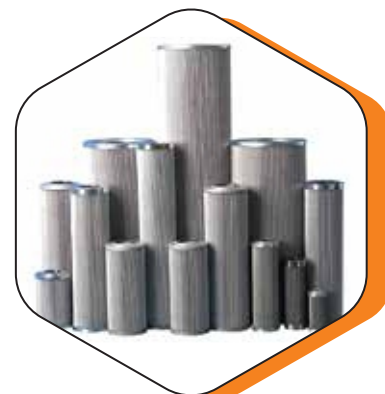
Grade	Tensile strength(min)		Yield strength(min)		Elongation(%)
	ksi	MPa	ksi	MPa	
Grade1	35	240	20	138	24
Grade2	50	345	40	275	20
Grade3	65	450	55	380	18
Grade5	130	895	120	828	10
Grade7	50	345	40	275	20
Grade9	90	620	70	438	15
Grade12	70	438	50	345	18

INDUSTRIAL FILTERS

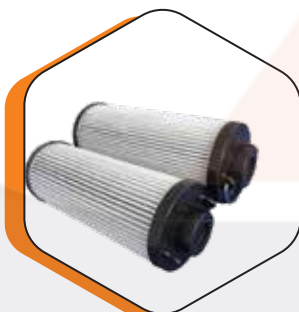
Hydraulic & Lube oil filters :

Filters that are designed to purify petroleum-based liquids such as oils. An oil filter is a filter designed to remove contaminants from engine oil, transmission oil, lubricating oil, or hydraulic oil. The contaminants are too small in size to be seen by the naked eye. However, you can increase the performance of your fluid through filtration by using a filter element. Basically, an oil filter element removes all particles and contaminants from circulating within the engine and hydraulic machines. We manufacture filter elements equivalent to **Hydac, Pall, Rexroth, Donalson, MP Filtri, EPE, Parker, Argo hytos, and many more...**

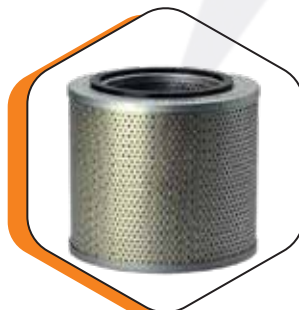
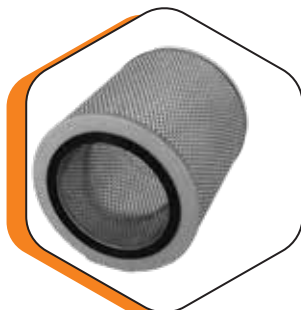
Pressure Line Filter Elements.



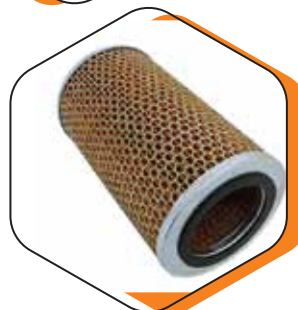
Return Line Filter Elements.



Suction Filter Elements.



Fuel Filter Elements



Lube Oil Filters.



INDUSTRIAL STRAINERS

A strainer is used to "strain" or "filter" contaminants in a piping system that could flow down the pipeline and damage more expensive pieces of equipment, or spoil a manufacturing process. In effect, a strainer could be viewed as a very inexpensive "insurance policy" to help protect the overall piping system. Strainers are available in many materials, types, and end connections. These various options are designed to help the end user obtain the best possible straining device for their specific applications.

The straining elements are generally made from a wire mesh type screen material or perforated sheet metal. In some cases, depending on size and pressure rating, a mesh unit may additionally include a perforation. Using a perforated material in conjunction with a mesh may be the best way to provide greater strength and stability to the straining element.

Strainers are intended for applications where large or small amounts of filtration are needed, solid particles are expected, and where the clean-out will be frequent.

Basket Strainers / Bucket Strainers

The basket filter element, also known as the bucket filter element, is designed for the cleaning of large amounts of solid particulate. The contaminants are captured and debris is collected in the basket type filter, preventing the debris from entering the pump or returning to flow.



Y-Strainer Elements

Y strainer elements are devices for mechanically removing solids from flowing liquids or gases by means of a perforated or wire mesh straining element. They are used in pipelines to protect equipment such as pumps, meters, control valves, steam traps, and regulators.



S.S Slanted Basket Strainer Element

The Slanted basket element is the heart of a strainer. After a particular type of strainer housing has been selected, equal concern should be given to the basket or screen design and the perforation or mesh size, for this alone determines the ultimate functionality and performance of the strainer. Baskets are specially designed to retain accidental or recurrent particles that are harmful to a process.



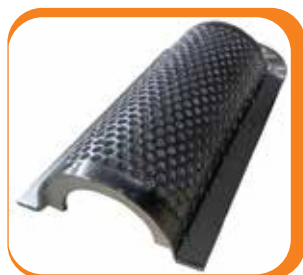
Conical Strainer Element

Cone filter, also known as temporary filter, is a type of cone shaped filter element. According to bottom's shape, it can be classified into sharp bottom cone filter disc, flat bottom cone filter disc.



TEE Strainer Element

A tee strainer is put in a section of pipe to filter out contaminants and debris from a fluid process. Tee strainers can connect to the piping in a variety of ways, such as bolted flanges, threaded piping, and occasionally welding.





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