



CRAFTECH

VALVES & PIPE FITTINGS

PRODUCT CATALOG



TABLE OF CONTENTS

CRAFTECH

VALVES & PIPE FITTINGS



- ABOUT US
- PRODUCT OVERVIEW
- PRODUCTS
 - 1. VALVES
 - 2. FLANGES
 - 3. PIPES
 - 4. FITTINGS
- CUSTOM SOLUTIONS
- QUALITY ASSURANCE & TESTING
- CONTACT INFORMATION
- TERMS & CONDITIONS

01
02
03
3-10





ABOUT US

Craftech Valves and Pipe Fittings delivers premium-quality valves and fittings built for reliability and performance. With industry expertise and a commitment to quality, we provide durable solutions tailored to diverse applications. Our focus is on innovation, customer satisfaction, and timely service, making us a trusted partner in the valve and pipe fittings industry.

CRAFTTECH
VALVES & PIPE FITTINGS



MISSION

OUR MISSION IS TO DELIVER INNOVATIVE, RELIABLE, AND COST-EFFECTIVE VALVE AND PIPE FITTING SOLUTIONS THAT EMPOWER INDUSTRIES TO OPERATE EFFICIENTLY AND SAFELY. WE ARE COMMITTED TO QUALITY CRAFTSMANSHIP, TIMELY DELIVERY, AND EXCEPTIONAL CUSTOMER SERVICE IN EVERY PRODUCT WE SUPPLY.



VISION

TO BECOME A GLOBALLY RECOGNIZED BRAND IN THE VALVE AND FITTINGS INDUSTRY BY SETTING NEW STANDARDS IN ENGINEERING EXCELLENCE, CUSTOMER SATISFACTION, AND SUSTAINABLE GROWTH.



OUR TEAM

AT CRAFTTECH VALVES & PIPE FITTINGS, OUR STRENGTH LIES IN OUR PEOPLE. FROM EXPERIENCED ENGINEERS TO DEDICATED OPERATIONS STAFF, OUR TEAM BRINGS DEEP INDUSTRY KNOWLEDGE, TECHNICAL EXPERTISE, AND A SHARED PASSION FOR EXCELLENCE.

EVERY PRODUCT WE CREATE IS A RESULT OF CLOSE COLLABORATION, PRECISION, AND COMMITMENT – BECAUSE WE BELIEVE GREAT TEAMS BUILD GREAT SOLUTIONS.

WHY CHOOSE US



HIGH-QUALITY MATERIALS

WE USE ONLY PREMIUM-GRADE METALS AND COMPONENTS TO ENSURE DURABILITY, PERFORMANCE, AND SAFETY IN EVERY PRODUCT.



FAST & RELIABLE DELIVERY

TIMELY DELIVERY IS PART OF OUR PROMISE. WE ENSURE EFFICIENT LOGISTICS TO MEET YOUR PROJECT TIMELINES.



PRECISION ENGINEERING

EVERY VALVE AND FITTING IS DESIGNED AND MANUFACTURED WITH HIGH PRECISION, MEETING STRICT INDUSTRY STANDARDS.



COMPETITIVE PRICING

WE DELIVER QUALITY WITHOUT COMPROMISE – AT PRICES THAT FIT YOUR BUDGET.



CUSTOM SOLUTIONS

NEED SOMETHING SPECIFIC? WE OFFER TAILOR-MADE VALVE AND FITTING SOLUTIONS TO MATCH YOUR UNIQUE APPLICATION REQUIREMENTS.



AFTER-SALES SUPPORT

OUR RELATIONSHIP DOESN'T END AFTER DELIVERY. WE PROVIDE CONTINUED SUPPORT AND SERVICE WHENEVER YOU NEED IT.

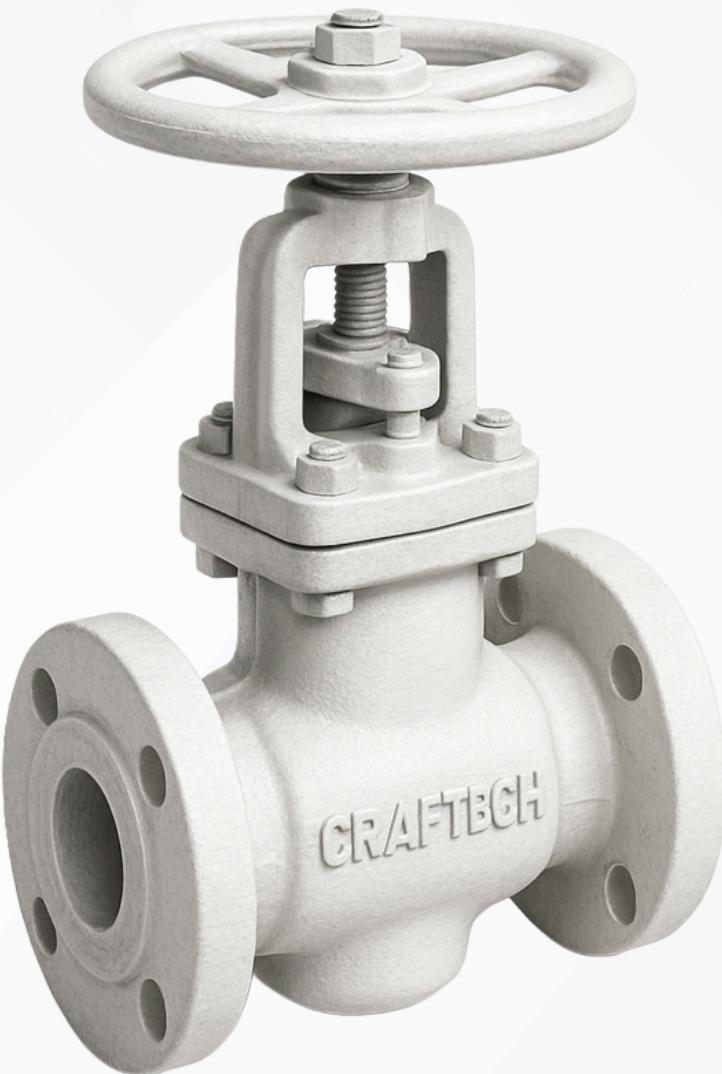
PRODUCT OVERVIEW

Craftech offers a wide range of industrial valves and pipe fittings, including flanges, elbows, and pipes. Our products are made from high-quality materials, ensuring durability and reliable performance for various industrial applications.



1. INDUSTRIAL VALVES

GATE VALVE



GATE VALVE SPECIFICATIONS

MATERIAL: CARBON STEEL, STAINLESS STEEL, CAST STEEL, ALLOY STEEL

SIZES: TYPICALLY FROM 1/2 INCH UP TO 48 INCHES (VARIES BY APPLICATION)

PRESSURE CLASS: 150, 300, 600, 900, 1500 (ASME STANDARD)

CONNECTION TYPES: FLANGED, THREADED, BUTT WELD

OPERATION: MANUAL, ELECTRIC, PNEUMATIC

DESIGN: SOLID OR FLEXIBLE WEDGE, RISING OR NON-RISING STEM

TEMPERATURE RANGE: -29°C TO 425°C (DEPENDING ON MATERIAL)

STANDARDS: ASME, API, BS, DIN

USES:-

USED MAINLY FOR ON/OFF ISOLATION OF FLUID FLOW IN PIPELINES
COMMON IN OIL AND GAS, WATER TREATMENT, CHEMICAL PROCESSING, POWER GENERATION, AND MINING INDUSTRIES

SUITABLE FOR LIQUIDS, GASES, STEAM, AND SLURRIES

IDEAL FOR FULL FLOW WITH MINIMAL PRESSURE LOSS

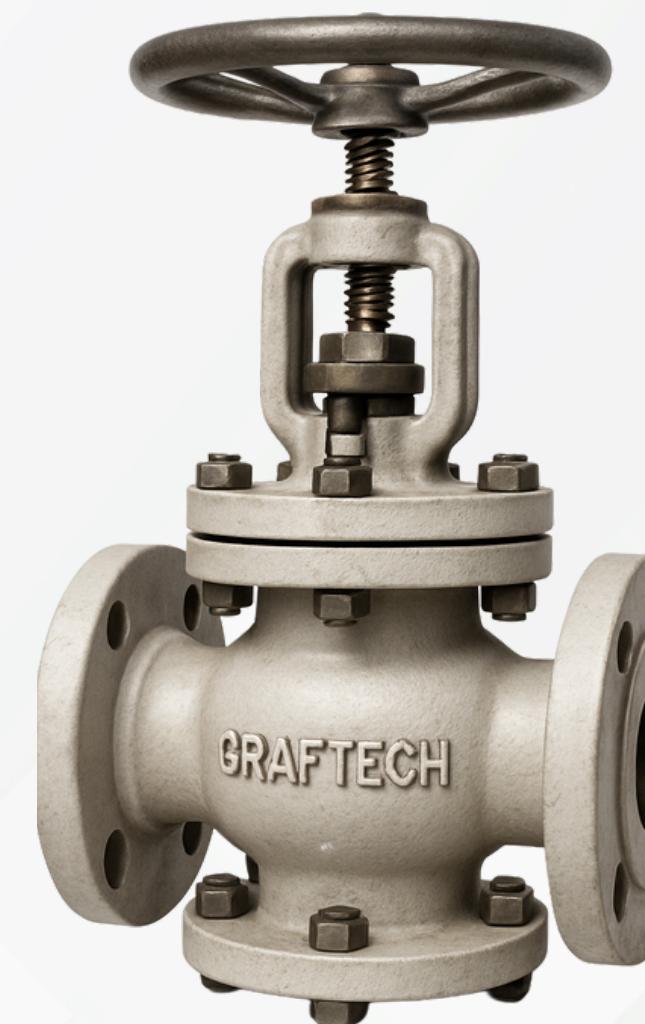
USED IN HIGH-PRESSURE AND HIGH-TEMPERATURE SYSTEMS

FOUND IN WATER SUPPLY, WASTEWATER MANAGEMENT, INDUSTRIAL PLANTS, AND

MARINE APPLICATIONS

NOT RECOMMENDED FOR FLOW REGULATION OR THROTTLING

GLOBE VALVE



GLOBE VALVE SPECIFICATIONS

MATERIAL: CARBON STEEL, STAINLESS STEEL, CAST STEEL, BRONZE

SIZES: TYPICALLY FROM 1/2 INCH UP TO 24 INCHES (VARIES BY APPLICATION)

PRESSURE CLASS: 150, 300, 600, 900, 1500 (ASME STANDARD)

CONNECTION TYPES: FLANGED, THREADED, BUTT WELD

OPERATION: MANUAL (HANDWHEEL), ELECTRIC, PNEUMATIC

DESIGN: LINEAR MOTION VALVE WITH A PLUG OR DISC THAT MOVES PERPENDICULAR TO THE SEAT

TEMPERATURE RANGE: -29°C TO 550°C (DEPENDING ON MATERIAL)

USES:-

IDEAL FOR THROTTLING AND REGULATING FLOW IN PIPELINES; COMMONLY USED IN WATER SYSTEMS, STEAM, OIL, AND GAS INDUSTRIES REQUIRING PRECISE FLOW CONTROL.

STANDARDS: ASME, API, BS, DIN

BALL VALVE



BALL VALVE SPECIFICATIONS

TYPE

- FULL PORT / REDUCED PORT
- FLOATING BALL / TRUNNION MOUNTED
- TWO-PIECE / THREE-PIECE / ONE-PIECE DESIGN

SIZE RANGE:

- $\frac{1}{4}$ " TO 12" (DN6 TO DN300)

PRESSURE CLASS:

- ANSI CLASS 150 / 300 / 600
- PN16 / PN25 / PN40

END CONNECTIONS:

- THREADED (NPT/BSP)
- FLANGED (ANSI, DIN, JIS)
- SOCKET WELD / BUTT WELD

BODY MATERIALS:

- STAINLESS STEEL (SS304 / SS316)
- CARBON STEEL (WCB)
- BRASS / BRONZE

BALL & SEAT MATERIALS:

- STAINLESS STEEL / CHROME PLATED
- PTFE / RPTFE / PEEK

STANDARDS:

- DESIGN: API 6D / ISO 17292 / ASME B16.34
- TESTING: API 598 / EN 12266
- FLANGES: ASME B16.5 / EN 1092-1

USES:-

USED FOR QUICK ON/OFF CONTROL OF FLUID FLOW IN PIPELINES
WIDELY USED IN OIL AND GAS, CHEMICAL, WATER TREATMENT, HVAC, AND
MARINE INDUSTRIES

HANDLES LIQUIDS, GASES, STEAM, AND SLURRIES EFFECTIVELY
PROVIDES TIGHT SHUT-OFF WITH MINIMAL TORQUE AND EASY OPERATION
IDEAL FOR APPLICATIONS REQUIRING FULL BORE AND LOW-PRESSURE DROP
SUITABLE FOR HIGH-PRESSURE, HIGH-TEMPERATURE, AND CORROSIVE
ENVIRONMENTS
COMMON IN INDUSTRIAL PLANTS, PROCESS SYSTEMS, AND UTILITY SERVICES

BUTTERFLY VALVE



BUTTERFLY VALVE SPECIFICATIONS

TYPE

- WAFER / LUG / DOUBLE FLANGED / U-TYPE
- CONCENTRIC / DOUBLE OFFSET / TRIPLE OFFSET

SIZE RANGE:

- 2" TO 72" (DN50 TO DN1800)

PRESSURE CLASS:

- ANSI CLASS 150 / 300
- PN10 / PN16 / PN25

END CONNECTIONS:

- WAFER / LUG / FLANGED / BUTT WELD

BODY MATERIALS:

- CAST IRON / DUCTILE IRON
- CARBON STEEL (WCB)
- STAINLESS STEEL (SS304 / SS316)
- ALUMINUM BRONZE

SEAT MATERIALS:

- EPDM / NBR / PTFE / VITON / METAL SEATED

STANDARDS:

- DESIGN: API 609 / ISO 5752 / EN 593
- TESTING: API 598 / EN 12266
- FLANGES: ASME B16.5 / EN 1092-1

USES:-

USED FOR ISOLATING OR REGULATING FLOW IN LARGE-DIAMETER PIPELINES
COMMON IN WATER DISTRIBUTION, WASTEWATER TREATMENT, HVAC, FIRE
PROTECTION, AND MARINE SYSTEMS

SUITABLE FOR LIQUIDS, GASES, AND SLURRIES
IDEAL FOR LOW-PRESSURE, LOW-TORQUE, AND SPACE-CONSTRAINED
APPLICATIONS

PREFERRED IN SYSTEMS REQUIRING QUICK OPERATION AND LIGHTWEIGHT
VALVES

WIDELY USED IN POWER PLANTS, CHEMICAL INDUSTRIES, AND PROCESS SYSTEMS
NOT SUITABLE FOR HIGH-PRESSURE THROTTLING IN ABRASIVE SERVICES

CHECK VALVE

CHECK VALVE SPECIFICATIONS

TYPE

- SWING / LIFT / WAFER / DUAL PLATE / TILTING DISC / BALL TYPE
- SILENT (SPRING-LOADED) / NON-SLAM TYPE

SIZE RANGE:

- $\frac{1}{2}$ " TO 36" (DN15 TO DN900)

PRESSURE CLASS:

- ANSI CLASS 150 / 300 / 600
- PN10 / PN16 / PN25 / PN40

END CONNECTIONS:

- FLANGED / WAFER / LUG / THREADED / SOCKET WELD / BUTT WELD

BODY MATERIALS:

- CAST IRON / DUCTILE IRON
- CARBON STEEL (WCB)
- STAINLESS STEEL (SS304 / SS316)
- BRONZE / ALLOY STEELS

DISC/INTERNAL:

- STAINLESS STEEL / BRONZE / RUBBER-COATED / SPRING-LOADED OPTIONS
- METAL-TO-METAL OR SOFT SEATED (NBR, EPDM, PTFE)

USES:-

USED TO PREVENT BACKFLOW IN PIPELINES COMMON IN WATER, WASTEWATER, OIL & GAS, AND CHEMICAL SYSTEMS
PROTECTS PUMPS, COMPRESSORS, AND EQUIPMENT FROM REVERSE FLOW
SUITABLE FOR LIQUIDS, GASES, STEAM, AND SLURRIES
WIDELY USED IN POWER PLANTS, HVAC, MARINE, AND FIRE PROTECTION SYSTEMS
OPERATES AUTOMATICALLY WITHOUT EXTERNAL CONTROL
NOT SUITABLE FOR THROTTLING OR FLOW REGULATION



CONTROL VALVE

CONTROL VALVE SPECIFICATIONS

TYPE

- GLOBE / ANGLE / BUTTERFLY / BALL / DIAPHRAGM
- PNEUMATIC / ELECTRIC / HYDRAULIC ACTUATED
- LINEAR / ROTARY MOTION

SIZE RANGE:

- $\frac{1}{2}$ " TO 24" (DN15 TO DN600)

PRESSURE CLASS:

- ANSI CLASS 150 / 300 / 600
- PN10 / PN16 / PN25 / PN40

END CONNECTIONS:

- FLANGED / THREADED / SOCKET WELD / BUTT WELD

BODY MATERIALS:

- CARBON STEEL (WCB)
- STAINLESS STEEL (SS304 / SS316)
- CAST IRON / BRONZE / ALLOY STEELS

TRIM MATERIALS:

- STAINLESS STEEL / HARDENED ALLOYS
- SOFT OR METAL SEATS (PTFE, RPTFE, PEEK, ETC.)

STANDARDS:

- DESIGN: IEC 60534 / ANSI/ISA 75
- TESTING: API 598 / EN 12266
- FLANGES: ASME B16.5 / EN 1092-1

ACTUATION:

- PNEUMATIC DIAPHRAGM / ELECTRIC MOTOR / ELECTRO-PNEUMATIC POSITIONER

CONTROL FEATURES:

- MODULATING OR ON/OFF CONTROL
- FLOW, PRESSURE, TEMPERATURE, AND LEVEL REGULATION
- AVAILABLE WITH POSITIONERS, I/P CONVERTERS, AND FEEDBACK SYSTEMS



USES:-

USED FOR PRECISE REGULATION OF FLOW, PRESSURE, TEMPERATURE, OR LEVEL IN PROCESS SYSTEMS
COMMON IN OIL & GAS, POWER PLANTS, CHEMICAL PROCESSING, AND WATER TREATMENT IDEAL FOR MODULATING CONTROL IN AUTOMATED SYSTEMS
SUITABLE FOR LIQUIDS, GASES, STEAM, AND SLURRIES
USED IN HVAC, PHARMACEUTICAL, FOOD PROCESSING, AND PULP & PAPER INDUSTRIES CRITICAL FOR MAINTAINING PROCESS STABILITY AND SYSTEM EFFICIENCY
NOT USED FOR SIMPLE ON/OFF ISOLATION

KNIFE EDGE GATE VALVE



KNIFE EDGE VALVE SPECIFICATIONS

TYPE

- UNI-DIRECTIONAL / BI-DIRECTIONAL
- MANUAL / PNEUMATIC / ELECTRIC / HYDRAULIC ACTUATION
- RISING / NON-RISING STEM

SIZE RANGE:

- 2" TO 48" (DN50 TO DN1200)

PRESSURE CLASS:

- PN10 / PN16
- CUSTOM RATINGS AVAILABLE FOR SPECIFIC APPLICATIONS

END CONNECTIONS:

- WAFER / LUG / FLANGED / BUTT WELD

BODY MATERIALS:

- CAST IRON / DUCTILE IRON
- CARBON STEEL (WCB)
- STAINLESS STEEL (SS304 / SS316)

GATE MATERIALS:

- STAINLESS STEEL (SS304 / SS316)
- HARD-FACED OR PTFE-COATED OPTIONS FOR ABRASIVE MEDIA

SEAT MATERIALS:

- METAL-TO-METAL / EPDM / PTFE / NBR / VITON

STANDARDS:

- DESIGN: MSS SP-81
- TESTING: API 598 / EN 12266
- FLANGES: ASME B16.5 / EN 1092-1

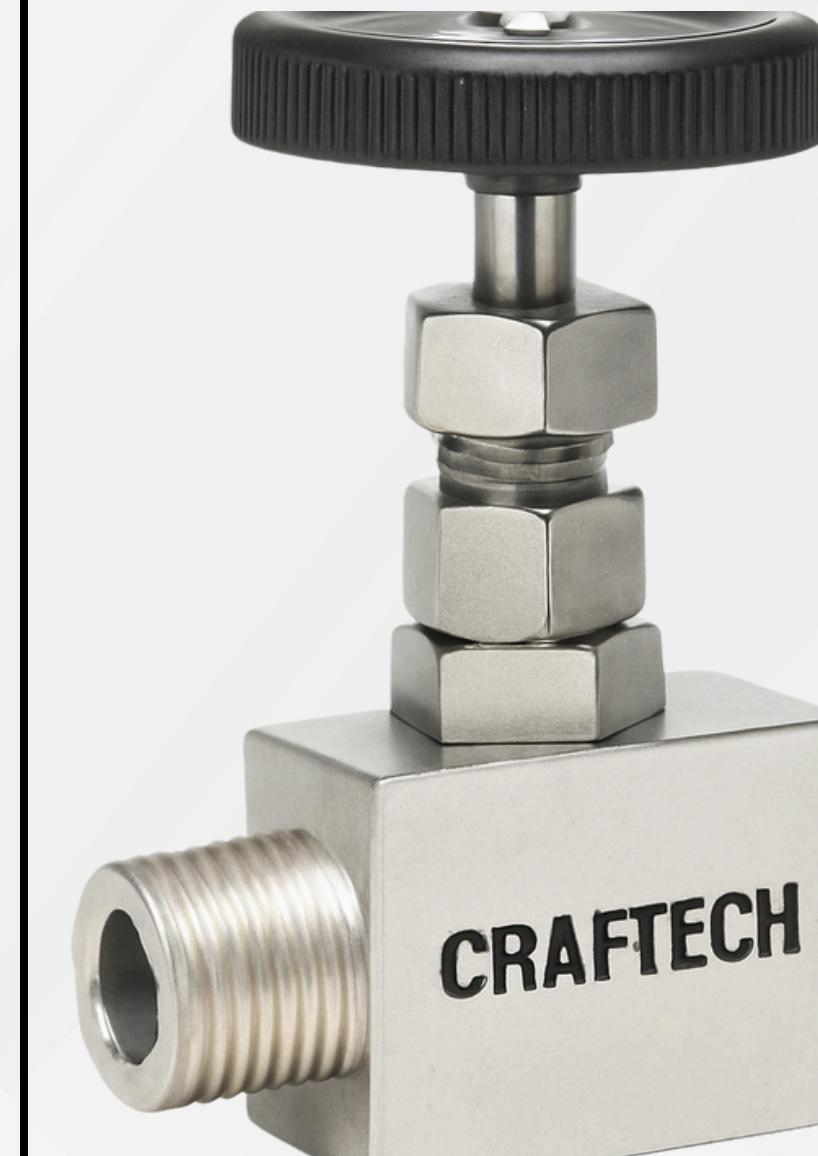
USES:-

USED FOR ON/OFF CONTROL IN SLURRY, VISCOUS, AND ABRASIVE MEDIA
COMMON IN MINING, WASTEWATER, PULP & PAPER, AND CHEMICAL INDUSTRIES
IDEAL FOR SOLIDS, SLURRY, AND BULK MATERIAL HANDLING
NOT SUITABLE FOR HIGH-PRESSURE OR THROTTLING APPLICATIONS

DESIGN FEATURES:

- DESIGNED FOR HANDLING SLURRIES, VISCOUS, CORROSIVE, OR ABRASIVE MEDIA
- TIGHT SHUT-OFF WITH MINIMAL PRESSURE DROP
- SELF-CLEANING GATE EDGES TO PREVENT MEDIA BUILDUP

NEEDLE VALVE



NEEDLE VALVE SPECIFICATIONS

TYPE

- STRAIGHT / ANGLE / FORGED / BAR STOCK
- INTEGRAL BONNET / UNION BONNET
- MANUAL / PANEL MOUNT / INSTRUMENTATION TYPE

SIZE RANGE:

- 1/8" TO 2" (DN6 TO DN50)

PRESSURE RATING:

- UP TO 6000 PSI (414 BAR) OR HIGHER (10,000+ PSI FOR SPECIAL DESIGNS)

END CONNECTIONS:

- THREADED (NPT, BSP)
- COMPRESSION TUBE FITTINGS (DOUBLE FERRULE)
- SOCKET WELD / BUTT WELD

BODY MATERIALS:

- STAINLESS STEEL (SS304 / SS316)
- BRASS / CARBON STEEL
- ALLOY 400 / HASTELLOY / DUPLEX STEEL

SEAT & TIP MATERIALS :

- METAL-TO-METAL / SOFT SEAT (PTFE, PEEK)
- REGULATING OR SHUT-OFF TIP

STANDARDS:

- DESIGN: ASME B16.34 / API 598 (TESTING)
- THREADS: ASME B1.20.1 (NPT) / ISO 7-1 (BSP)

DESIGN FEATURES:

- FINE CONTROL OF FLOW
- LEAK-TIGHT SHUT-OFF
- COMPACT DESIGN FOR INSTRUMENTATION AND SAMPLING LINES

USES:-

USED FOR PRECISE FLOW CONTROL IN LOW-FLOW APPLICATIONS
COMMON IN INSTRUMENTATION, SAMPLING, AND PRESSURE REGULATION
IDEAL FOR OIL & GAS, CHEMICAL, AND LABORATORY SYSTEMS
NOT SUITABLE FOR HIGH-FLOW OR QUICK SHUT-OFF NEEDS

NON-RETURN VALVE



NON-RETURN VALVE SPECIFICATIONS

TYPE

- SWING / LIFT / WAFER / DUAL PLATE / SPRING-LOADED / BALL TYPE
- HORIZONTAL / VERTICAL INSTALLATION OPTIONS

SIZE RANGE:

- $\frac{1}{2}$ " TO 36" (DN15 TO DN900)

PRESSURE CLASS:

- ANSI CLASS 150 / 300 / 600
- PN10 / PN16 / PN25 / PN40

END CONNECTIONS:

- FLANGED / WAFER / LUG / THREADED / SOCKET WELD / BUTT WELD

BODY MATERIALS:

- CAST IRON / DUCTILE IRON
- CARBON STEEL (WCB)
- STAINLESS STEEL (SS304 / SS316)
- BRONZE / PVC

DISC/INTERNAL:

- STAINLESS STEEL / BRONZE / RUBBER-COATED / SPRING-LOADED
- METAL OR SOFT SEATED (NBR, EPDM, PTFE)

STANDARDS:

- DESIGN: API 6D / BS 1868 / EN 12334
- TESTING: API 598 / EN 12266
- FLANGES: ASME B16.5 / EN 1092-1

USES:-

USED TO PREVENT BACKFLOW IN PIPELINES
PROTECTS PUMPS AND EQUIPMENT FROM REVERSE FLOW
COMMON IN WATER, OIL, GAS, STEAM, AND CHEMICAL SYSTEMS
OPERATES AUTOMATICALLY, NO MANUAL CONTROL NEEDED

DESIGN FEATURES:

- ALLOWS FLOW IN ONE DIRECTION ONLY
- PREVENTS REVERSE FLOW AND PROTECTS PUMPS/EQUIPMENT
- OPERATES AUTOMATICALLY WITHOUT EXTERNAL ACTUATION

PRESSURE RELIEF VALVE



PRESSURE RELIEF VALVE SPECIFICATIONS

TYPE

- SPRING LOADED / PILOT OPERATED / BALANCED BELLOWS
- SAFETY VALVE / PRESSURE RELIEF VALVE / VACUUM RELIEF VALVE

SIZE RANGE:

- $\frac{1}{2}$ " TO 12" (DN15 TO DN300)

PRESSURE RANGE:

- SET PRESSURES FROM 0.5 BAR TO 600 BAR (7 PSI TO 8700 PSI), DEPENDING ON TYPE

END CONNECTIONS:

- THREADED (NPT, BSP)
- FLANGED (ASME / DIN / JIS)
- SOCKET WELD / BUTT WELD

BODY MATERIALS:

- STAINLESS STEEL (SS304 / SS316)
- CARBON STEEL (WCB)
- BRONZE / BRASS
- ALLOY STEELS (E.G., MONEL, HASTELLOY)

SEAT & TRIM MATERIALS:

- METAL-TO-METAL / SOFT SEAT (PTFE, VITON, EPDM)
- STAINLESS STEEL / ALLOY OPTIONS FOR CORROSION OR HIGH TEMP)

STANDARDS:

- DESIGN: ASME SECTION VIII / API 520 / API 526
- TESTING: API 527
- FLANGES: ASME B16.5 / EN 1092-1

DESIGN FEATURES:

- OPENS AUTOMATICALLY AT SET PRESSURE TO RELIEVE EXCESS PRESSURE
- RESEATS ONCE NORMAL PRESSURE IS RESTORED
- AVAILABLE WITH BLOWDOWN AND BACK PRESSURE OPTIONS

USES:-

PROTECTS SYSTEMS FROM OVERPRESSURE COMMON IN BOILERS, COMPRESSORS, PIPELINES, AND PRESSURE VESSELS
ENSURES SAFETY BY RELEASING EXCESS PRESSURE AUTOMATICALLY
USED IN OIL & GAS, CHEMICAL, POWER, AND INDUSTRIAL PLANTS

STRAINER T TYPE



STRAINER T TYPE SPECIFICATIONS

TYPE

- FABRICATED T-TYPE (INLINE) STRAINER
- BASKET OR SCREEN TYPE ELEMENT
- BOLTED COVER / QUICK-OPENING DESIGN

SIZE RANGE:

- 2" TO 24" (DN50 TO DN600)

PRESSURE CLASS:

- ANSI CLASS 150 / 300 / 600
- PN10 / PN16 / PN25 / PN40

END CONNECTIONS:

- FLANGED (ASME / DIN)
- BUTT WELD / SOCKET WELD

BODY MATERIALS:

- CARBON STEEL (WCB)
- STAINLESS STEEL (SS304 / SS316)
- ALLOY STEEL / DUPLEX / SUPER DUPLEX

SCREEN MATERIALS:

- STAINLESS STEEL (SS304 / SS316)
- PERFORATED / MESH / WEDGE WIRE SCREENS
- AVAILABLE IN DIFFERENT MICRON RATINGS (TYPICALLY 50-1000 MM)

STANDARDS:

- DESIGN: ASME B31.3 / EN 13445 (FOR PRESSURE VESSELS)
- FLANGES: ASME B16.5 / EN 1092-1
- TESTING: API 598 / EN 12266

USES:-

USED TO REMOVE DEBRIS FROM PIPELINES
PROTECTS PUMPS, VALVES, METERS,
AND INSTRUMENTS
COMMON IN OIL & GAS, CHEMICAL,
WATER, AND POWER PLANTS
IDEAL FOR HIGH-FLOW AND CRITICAL
PROCESS SYSTEMS

DESIGN FEATURES:

- DESIGNED FOR HORIZONTAL OR VERTICAL INSTALLATION
- LARGE FILTRATION AREA FOR LOW PRESSURE DROP
- EASY MAINTENANCE AND SCREEN REMOVAL
- DRAIN AND VENT CONNECTIONS PROVIDED

STRAINER Y TYPE



STRAINER Y SPECIFICATIONS

TYPE

- Y-TYPE (INLINE) STRAINER
- BOLTED CAP / BLOW-OFF PLUG OPTION
- HORIZONTAL OR VERTICAL INSTALLATION

SIZE RANGE:

- ½" TO 24" (DN15 TO DN600)

PRESSURE CLASS:

- ANSI CLASS 150 / 300 / 600
- PN10 / PN16 / PN25 / PN40

END CONNECTIONS:

- THREADED (NPT, BSP)
- FLANGED (ASME / DIN)
- SOCKET WELD / BUTT WELD

BODY MATERIALS:

- CAST IRON / DUCTILE IRON
- CARBON STEEL (WCB)
- STAINLESS STEEL (SS304 / SS316)
- BRONZE / ALLOY STEEL

SCREEN MATERIALS:

- STAINLESS STEEL (PERFORATED OR MESH)
- VARIOUS MICRON RATINGS (TYPICALLY 50-1000 MM)

STANDARDS:

- DESIGN: ASME B31.3 / EN 13445
- FLANGES: ASME B16.5 / EN 1092-1
- TESTING: API 598 / EN 12266

DESIGN FEATURES:

- COMPACT AND SPACE-SAVING DESIGN
- SUITABLE FOR HIGH-PRESSURE APPLICATIONS
- EASY ACCESS FOR CLEANING AND MAINTENANCE
- OPTIONAL BLOW-OFF VALVE FOR CONTINUOUS CLEANING

USES:-

USED TO FILTER DEBRIS FROM PIPELINES
PROTECTS PUMPS, VALVES, AND INSTRUMENTS
IDEAL FOR STEAM, GAS, AND LIQUID SYSTEMS
COMMON IN OIL & GAS, CHEMICAL, AND WATER INDUSTRIES

SLUICE VALVE



USES:-

USED FOR ON/OFF CONTROL IN CLEAN OR SLIGHTLY TURBID FLUIDS
COMMON IN WATER SUPPLY, WASTEWATER, FIRE PROTECTION, AND IRRIGATION SYSTEMS
IDEAL FOR ISOLATION IN PIPELINES WITH MINIMAL PRESSURE DROP
NOT SUITABLE FOR THROTTLING OR SLURRY APPLICATIONS

SLUICE VALVE SPECIFICATIONS

TYPE

- RISING STEM / NON-RISING STEM
- SOLID WEDGE / FLEXIBLE WEDGE / SPLIT WEDGE / PARALLEL SLIDE
- MANUAL / GEAR OPERATED / ELECTRIC / PNEUMATIC ACTUATED
- HORIZONTAL / VERTICAL INSTALLATION OPTIONS

SIZE RANGE:

- 2" TO 48" (DN50 TO DN1200)

PRESSURE CLASS:

- ANSI CLASS 150 / 300 / 600
- PN10 / PN16 / PN25 / PN40

END CONNECTIONS:

- FLANGED / BUTT WELD / SOCKET WELD / THREADED / GROOVED

BODY MATERIALS:

- CAST IRON / DUCTILE IRON
- CARBON STEEL (WCB)
- STAINLESS STEEL (SS304 / SS316)
- BRONZE

WEDGE/INTERNAL:

- STAINLESS STEEL / BRONZE / GUNMETAL
- RUBBER-COATED (NBR / EPDM)

METAL OR RESILIENT SEATED

STANDARDS:

- DESIGN: API 600 / BS 5163 / EN 1074-2 / IS 14846
- TESTING: API 598 / EN 12266 / IS 5312
- FLANGES: ASME B16.5 / EN 1092-1 / IS 1538

DESIGN FEATURES:

- DESIGNED FOR FULL OPEN OR FULL CLOSE OPERATION
- PROVIDES TIGHT SHUT-OFF IN BOTH DIRECTIONS
- MINIMAL PRESSURE DROP ACROSS VALVE
- MANUAL OR AUTOMATED OPERATION OPTIONS
- LONG SERVICE LIFE WITH LOW MAINTENANCE

PLUG VALVE



USES:-

USED FOR ON/OFF AND LIMITED FLOW CONTROL IN CLEAN, CORROSIVE, OR ABRASIVE FLUIDS COMMON IN OIL & GAS, CHEMICAL, PETROCHEMICAL, AND WASTEWATER INDUSTRIES
IDEAL FOR FREQUENT OPERATION, QUICK SHUT-OFF, AND TIGHT SEALING
NOT SUITABLE FOR HIGH-PRESSURE THROTTLING OR THROTTLING WITH SUSPENDED SOLIDS

PLUG VALVE SPECIFICATIONS

TYPE

- LUBRICATED / NON-LUBRICATED / SLEEVED / JACKETED / ECCENTRIC / EXPANDING PLUG
- ROUND PORT / RECTANGULAR PORT / FULL PORT / REDUCED PORT
- MANUAL / GEAR OPERATED / ELECTRIC / PNEUMATIC ACTUATED
- HORIZONTAL / VERTICAL INSTALLATION OPTIONS

SIZE RANGE:

- ½" TO 24" (DN15 TO DN600)

PRESSURE CLASS:

- ANSI CLASS 150 / 300 / 600 / 900
- PN10 / PN16 / PN25 / PN40 / PN63

END CONNECTIONS:

- FLANGED / THREADED / SOCKET WELD / BUTT WELD

BODY MATERIALS:

- CAST IRON / DUCTILE IRON
- CARBON STEEL (WCB / LCB)
- STAINLESS STEEL (SS304 / SS316)
- ALLOY STEELS / BRONZE / PVC / PTFE-LINED

PLUG/INTERNAL:

- STAINLESS STEEL / ALLOY STEEL / BRONZE
- PTFE / TEFLON / RUBBER / METAL-SEATED CORROSION AND WEAR-RESISTANT COATINGS AVAILABLE

STANDARDS:

- DESIGN: API 6D / API 599 / MSS SP-78 / MSS SP-85
- TESTING: API 598 / EN 12266
- FLANGES: ASME B16.5 / EN 1092-1

DESIGN FEATURES:

- QUARTER-TURN OPERATION FOR QUICK ON/OFF CONTROL
- TIGHT SHUT-OFF AND MINIMAL LEAKAGE
- LOW TORQUE AND COMPACT DESIGN
- AVAILABLE WITH LINED OR LUBRICATED SEALING SYSTEMS
- SUITABLE FOR FREQUENT OPERATION AND

PRESSURE REDUCING VALVE



PRESSURE REDUCING VALVE SPECIFICATIONS

TYPE:

- DIRECT ACTING / PILOT OPERATED
- SPRING-LOADED / DOME-LOADED / PISTON OR DIAPHRAGM TYPE
- SINGLE-STAGE / TWO-STAGE PRESSURE CONTROL
- HORIZONTAL / VERTICAL INSTALLATION OPTIONS

SIZE RANGE:

- $\frac{1}{2}$ " TO 12" (DN15 TO DN300)
- (LARGER SIZES AVAILABLE FOR SPECIFIC APPLICATIONS)

PRESSURE CLASS:

- ANSI CLASS 150 / 300
- PN10 / PN16 / PN25 / PN40
- INLET PRESSURE: UP TO 600 PSI (41 BAR)
- OUTLET PRESSURE RANGE: 5 PSI TO 250 PSI (0.3 TO 17 BAR), ADJUSTABLE

END CONNECTIONS:

FLANGED / THREADED / SOCKET WELD / BUTT WELD / UNION ENDS

BODY MATERIALS:

- CAST IRON / DUCTILE IRON
- CARBON STEEL (WCB)
- STAINLESS STEEL (SS304 / SS316)
- BRONZE / BRASS / PVC / GUNMETAL

TRIM MATERIALS/INTERNAL:

- STAINLESS STEEL / BRONZE / BRASS
- ELASTOMERS: NBR / EPDM / PTFE / VITON
- CORROSION AND EROSION-RESISTANT SEAT AND DISC MATERIALS

STANDARDS:

- DESIGN: EN 1567 / ASSE 1003 / BS EN 805 / MSS SP-80
- TESTING: API 598 / EN 12266
- FLANGES: ASME B16.5 / EN 1092-1

USES:-

USED TO MAINTAIN CONSTANT DOWNSTREAM PRESSURE IN FLUID SYSTEMS
COMMON IN WATER SUPPLY, HVAC, STEAM,
GAS, AND PROCESS INDUSTRIES

IDEAL FOR PROTECTING EQUIPMENT FROM
HIGH INLET PRESSURE

NOT SUITABLE FOR APPLICATIONS REQUIRING
ZERO DOWNSTREAM FLOW OR TIGHT SHUT-OFF
UNDER NO-FLOW CONDITIONS

CRAFTECH

VALVES & PIPE FITTINGS



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