



CRAFTECH

VALVES & PIPE FITTINGS

PRODUCT CATALOG



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VALVES & PIPE FITTINGS



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# 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.**

**CRAFTECH**  
VALVES & PIPE FITTINGS

# 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

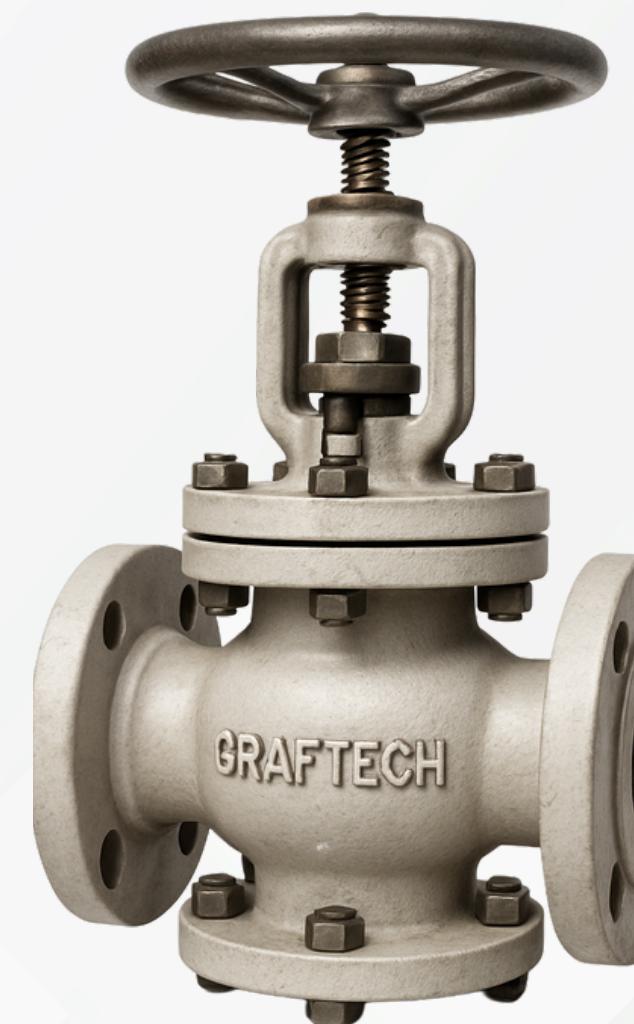
TEMPERATURE RANGE: -29°C TO 425°C (DEPENDING ON MATERIAL)

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:

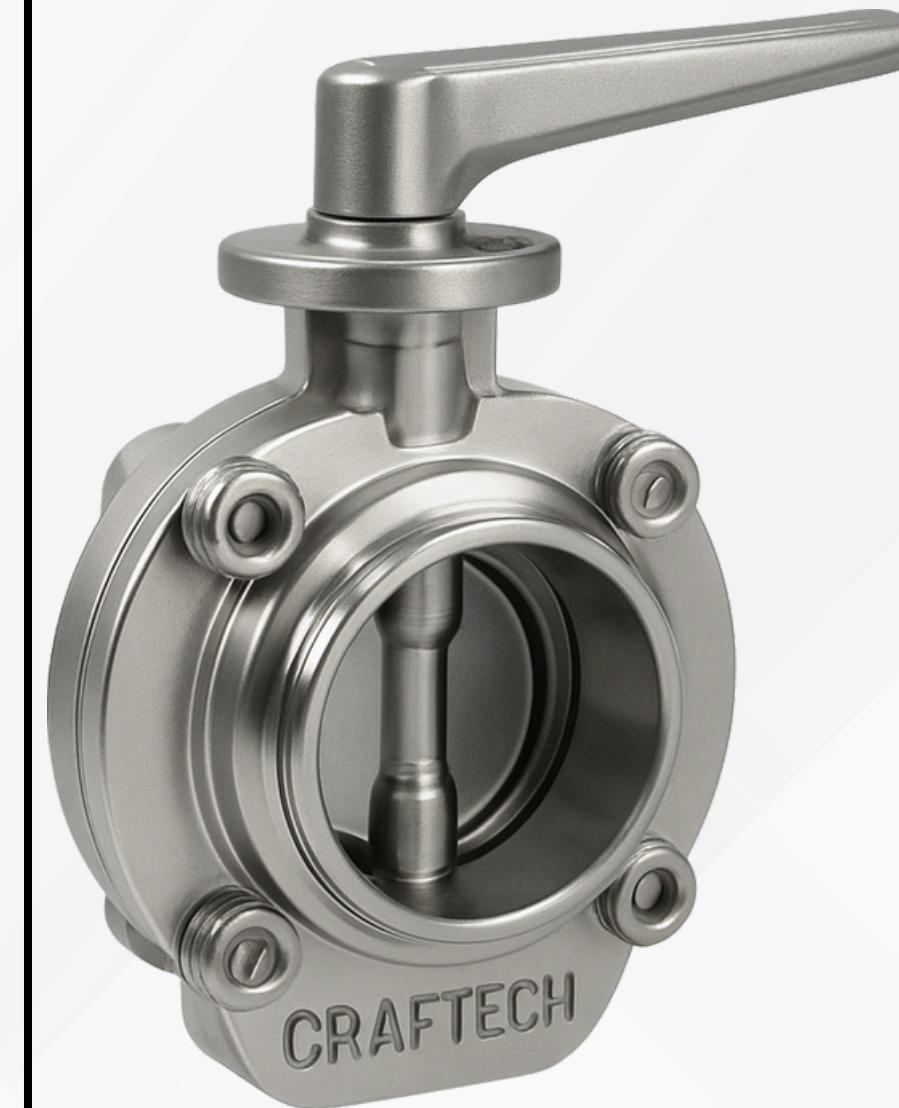
- DESIGN: API 6D / ISO 17292 / ASME B16.34
- TESTING: API 598 / EN 12266
- FLANGES: ASME B16.5 / EN 1092-1

### 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

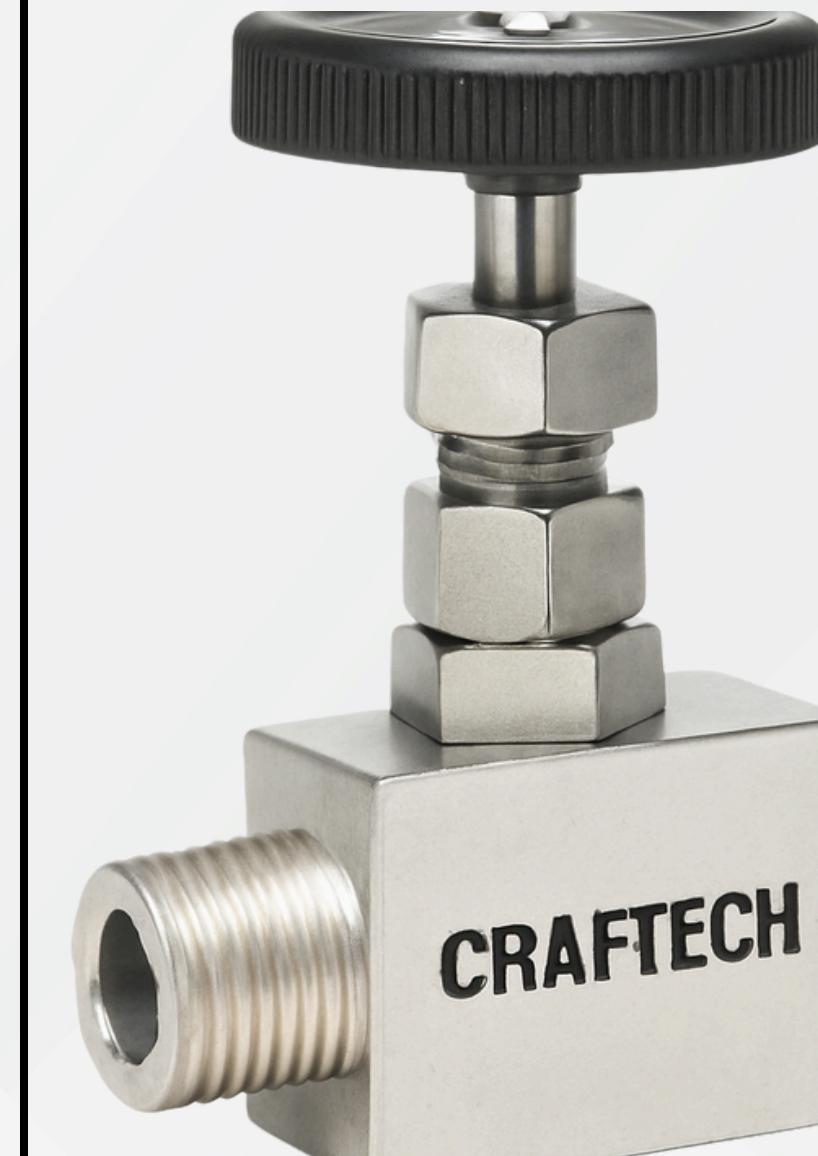
## USES:-

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

## 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

### 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

# 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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