WILLWIN

ENTERPRISES

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QUALITY, PERFECTION & RELIABILITY DELIVERED

Willwin Enterprises

IN AN INDUSTRY THAT DEMANDS HIGHLY COMPETITIVE AND PRECISION BASED PRODUCTS WILLWIN ENTERPRISES COMMITTED TO EXCELLENT SERVICE, UP TO DATE TECHNOLOGICAL UPGRADATION, STATE OF THE ART INFRASTRUCTURE AND HIGHLY QUALIFIED HUMAN RESOURCES.

WE MANUFACTURE AND SUPPLY MACHINED PARTS READY TO ASSEMBLE COMPONENTS FOR VALVES & PUMPS INDUSTRY, TRACTOR INDUSTRY, FOOD INDUSTRY & MATERIAL HANDLING INDUSTRY, CRANE'S, HOIST'S, ELEVATOR PART'S, ALL TYPES OF COMPRESSOR SPARES, AGRICULTURE IMPLEMENTS, CEMENT & SUGAR INDUSTRY, FLOUR & RICE MILL MACHINERY SPARES IN GRADED CAST IRON, S.G. IRON, ALLOY STEEL CASTINGS, FERROUS & NON FERROUS MACHINED COMPONENTS, SPECIALISED IN "V" GROOVE MOTOR PULLEY'S & FLYWHEELS.

VISION …

Willwin Enterprises

TO SUPPLY QUALITY PRODUCTS BY INCORPORATING THE NEEDS AND REQUIREMENTS OF CUSTOMER

MISSION …

TO ACHIEVE HIGHEST CUSTOMER SATISFACTION BY CONTINUAL IMPROVEMENT OF THE PROCESSES AND INCREASING EFFECTIVENESS OF QUALITY MANAGEMENT SYSTEM BY EMPLOYEE INVOLVEMENT

CULTURE …

CUSTOMER SATISFACTION
QUALITY
EXCELLENCE

Willwin Enterprises

QUALITY POLICY …

WE AT WILLWIN ENTERPRISES COMMITTED FOR,

MANUFACTURER AND SUPPLIER OF PRECISION MACHINED COMPONENTS AND SUB ASSEMBLIES WITH HIGH QUALITY TO MEET CUSTOMERS DESIRED REQUIREMENTS UPTO THEIR FULLEST SATISFACTION AT ALL TIMES.

CONTINUALLY IMPROVING ON THE QUALITY MANAGEMENT SYSTEM WITH FOCUS ON THE GROWTH IN BUSINESS.

DEVELOPING THE SKILLS OF ALL MEMBERS AND WORKERS OF WILLWIN ENTERPRISES LEADING TO THEIR INDIVIDUAL GROWTH & WELL BEINGS.

Willwin Enterprises

WE AT WILLWIN ENTERPRISES ASSURE YOU THAT WE WILL LEAVE NO STONE UNTURNED TO PROVIDE YOU WITH EXCELLENT OUTPUT WITH A PERFECT SYMBIOSIS OF ETHICAL APPROACH, PROMPT SERVICE AND IMMACULATE PRODUCTS.

ABDULHAMID SHAIKH
PROPRIETOR

COMPANY PROFILE …

Willwin Enterprises

WILLWIN ENTERPRISES IS A PROPRIETORSHIP ESTABLISHED IN 2018, MANAGED BY MR. ABDULHAMID SHAIKH AND HAS A GOOD REPUTATION IN THE FIELD OF FOUNDRY AS WELL AS MACHINING OF PRECISION MACHINED PARTS READY TO ASSEMBLY COMPONENTS FOR ALL TYPES OF VALVES & PUMPS INDUSTRY, TRACTOR INDUSTRY, FOOD INDUSTRY & MATERIAL HANDLING INDUSTRY, CRANE'S, HOIST'S, ELEVATOR PART'S, ALL TYPES OF COMPRESSOR SPARES, AGRICULTURE IMPLEMENTS, CEMENT & SUGAR INDUSTRY, FLOUR & RICE MILL MACHINERY SPARES IN GRADED CAST IRON, S.G. IRON, ALLOY STEEL CASTINGS, FERROUS & NON FERROUS MACHINED COMPONENTS, SPECIALISED IN "V" GROOVE MOTOR PULLEY'S & FLYWHEELS.

LOCATION: SMART CITY BELGAUM, KARNATAKA STATE, INDIA
BELGAUM, IS ONE OF THE MOST PROMISING INDUSTRIAL CENTERS OF KARNATAKA.
150 KMS. (90 MILES) FROM GOA AND ABOUT 500KMS. (300 MILES) FROM MUMBAI PORT.
IT IS WELL CONNECTED BY AIR, RAIL & ROAD.

TEAM : THE COMPANY HAS WELL-QUALIFIED AND MOTIVATED TEAM OF ENGINEERS AND SKILLED PROFESSIONALS EXPERIENCE IN THE FIELD OF ENGINEERING WITH THE LATEST FACILITIES REQUIRED TO ACHIEVE AND SET GOALS. THE COMPANY TEAM FORCE OF 10-15 PEOPLES.

PRODUCT RANGE...

Willwin Enterprises

WE ARE THE SUPPLIER OF
GRADED CAST, S.G.IRON & STAINLESS STEEL CASTINGS MACHINED COMPONENTS LIKE..

* MATERIAL HANDLING EQUIPMENT'S,
* CRANES SPARES,
* HOISTS SPARES,
* ELEVATOR PART'S,
* AUTOMOBILE PART'S,
* ACTUATOR VALVES,(ALL TYPES OF VALVES)
* PUMPS COMPONENTS,
* ALL TYPES OF COMPRESSORS SPARES,
* AGRICULTURAL IMPLEMENTS,
* FOOD INDUSTRY,
* TRACTOR PARTS,
* CEMENT PLANTS,
* SUGAR PLANTS
* FLOUR & RICE MILL MACHINERY SPARES
* ALL TYPES OF NUT BOLTS, BEARINGS, FOUNDATION BOLT'S ETC...

WE DO AS PER CUSTOMERS (DRAWING & PATTERN) REQUIREMENT

TYPES OF VALVES

Willwin Enterprises

LINEAR MOTION VALVES

1. GATE VALVES: USED FOR ON/OFF CONTROL, GATE VALVES HAVE A GATE THAT MOVES UP AND DOWN TO CONTROL FLOW.
2. GLOBE VALVES: USED FOR THROTTLING AND CONTROL, GLOBE VALVES HAVE A PLUG THAT MOVES UP AND DOWN TO CONTROL FLOW.
3. NEEDLE VALVES: USED FOR PRECISE CONTROL, NEEDLE VALVES HAVE A NEEDLE-SHAPED PLUG THAT MOVES UP AND DOWN TO CONTROL FLOW.

ROTARY MOTION VALVES

1. BALL VALVES: USED FOR ON/OFF CONTROL, BALL VALVES HAVE A ROTATING BALL THAT CONTROLS FLOW.
2. BUTTERFLY VALVES: USED FOR ON/OFF CONTROL, BUTTERFLY VALVES HAVE A ROTATING DISC THAT CONTROLS FLOW.
3. PLUG VALVES: USED FOR ON/OFF CONTROL, PLUG VALVES HAVE A ROTATING PLUG THAT CONTROLS FLOW.

SELF-OPERATED VALVES

1. CHECK VALVES: USED TO PREVENT BACKFLOW, CHECK VALVES HAVE A DISC OR FLAPPER THAT OPENS AND CLOSES AUTOMATICALLY.
2. RELIEF VALVES: USED TO RELIEVE EXCESS PRESSURE, RELIEF VALVES HAVE A SPRING-LOADED DISC THAT OPENS AUTOMATICALLY.

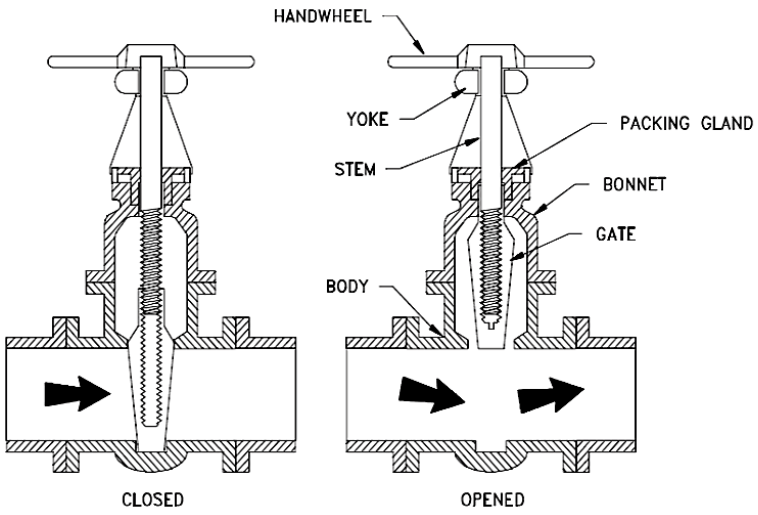
SPECIALIZED VALVES

1. DIAPHRAGM VALVES: USED FOR CORROSIVE OR ABRASIVE APPLICATIONS, DIAPHRAGM VALVES HAVE A FLEXIBLE DIAPHRAGM THAT CONTROLS FLOW.
2. PINCH VALVES: USED FOR SLURRIES OR ABRASIVE APPLICATIONS, PINCH VALVES HAVE A FLEXIBLE SLEEVE THAT CONTROLS FLOW.
3. CONTROL VALVES: USED FOR PRECISE CONTROL, CONTROL VALVES HAVE A PNEUMATIC OR ELECTRIC ACTUATOR THAT CONTROLS FLOW.

GATE VALVE

Willwin Enterprises

GATE VALVES ARE USED TO SHUT OFF OR START THE FLOW OF LIQUIDS, GASES, OR STEAM IN A PIPELINE. THEY ARE COMMONLY USED IN INDUSTRIAL SETTINGS, INCLUDING WATER TREATMENT FACILITIES, OIL AND GAS EXTRACTION, AND FACTORIES. GATE VALVES ARE BEST USED WHEN MINIMAL PRESSURE LOSS IS NEEDED.



HERE ARE SOME THINGS TO CONSIDER WHEN USING GATE VALVES: APPLICATIONS

GATE VALVES ARE USED IN A VARIETY OF APPLICATIONS, INCLUDING:

WATER SUPPLY: GATE VALVES ARE THE MOST COMMON VALVE USED IN WATER SUPPLY SYSTEMS. THEY CAN BE USED TO ISOLATE AREAS OF THE WATER SUPPLY NETWORK FOR MAINTENANCE, REPAIRS, OR NEW INSTALLATIONS. HAZARDOUS APPLICATIONS: FOR HAZARDOUS APPLICATIONS, A BELLOWS SEAL ARRANGEMENT CAN BE USED TO ENSURE MINIMAL LEAKAGE.

PRESSURE

GATE VALVES ARE SUITABLE FOR LOW PRESSURE APPLICATIONS, WITH A PRESSURE RATING OF UP TO 150 PSI. AT HIGH PRESSURES, FRICTION CAN MAKE THE VALVE HARDER TO OPERATE.

CONSTRUCTION

GATE VALVES ARE LESS COMPLEX TO CONSTRUCT THAN OTHER TYPES OF VALVES IN LARGE SIZES, SO THEY ARE OFTEN USED WITH LARGER PIPE DIAMETERS.

STEM DESIGN

GATE VALVES CAN HAVE EITHER A RISING STEM OR A NON-RISING STEM. RISING STEM GATE VALVES HAVE BUILT-IN VISUAL INDICATORS AND ARE EASILY LUBRICATED. NON-RISING STEM GATE VALVES ARE COMMON IN UNDERGROUND INSTALLATIONS AND APPLICATIONS WITH LIMITED VERTICAL SPACE.

GLOBE VALVE

Willwin Enterprises

GLOBE VALVES HAVE SEVERAL ADVANTAGES AND DISADVANTAGES, INCLUDING:

ADVANTAGES

SHUTOFF: GLOBE VALVES HAVE A GOOD SHUTOFF CAPABILITY.

THROTTLING: GLOBE VALVES HAVE MODERATE TO GOOD THROTTLING CAPABILITY.

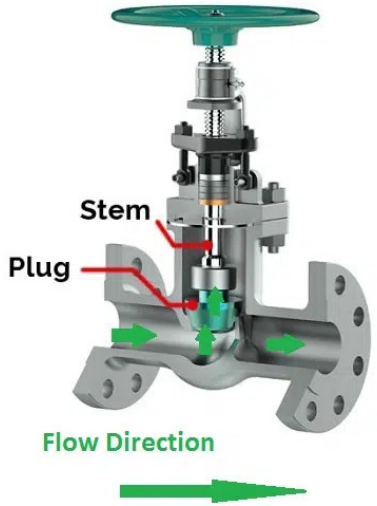
STROKE: GLOBE VALVES HAVE A SHORTER STROKE THAN GATE VALVES.

MAINTENANCE: GLOBE VALVES ARE RELATIVELY EASY TO MACHINE OR RESURFACE THE SEATS.

USE: GLOBE VALVES CAN BE USED AS A STOP-CHECK VALVE.

WEAR AND TEAR: GLOBE VALVES HAVE RELATIVELY LESS WEAR AND TEAR COMPARED TO OTHER VALVES.

HIGH PRESSURE AND TEMPERATURE RESISTANCE: GLOBE VALVES CAN WITHSTAND HIGH PRESSURES AND TEMPERATURES.



DISADVANTAGES

UNI-DIRECTIONAL: GLOBE VALVES CAN ONLY START, STOP, AND REGULATE THE FLUID FLOW IN ONE DIRECTION.

PRESSURE DROP: GLOBE VALVES CAN SUFFER FROM A HIGH PRESSURE DROP WHEN THE VALVE IS THROTTLED.

WEIGHT: GLOBE VALVES CAN BE HEAVY.

FLUID RESISTANCE: GLOBE VALVES HAVE HIGH FLUID RESISTANCE.

FORCE REQUIRED: GLOBE VALVES REQUIRE A LARGE FORCE FOR OPENING AND CLOSING.

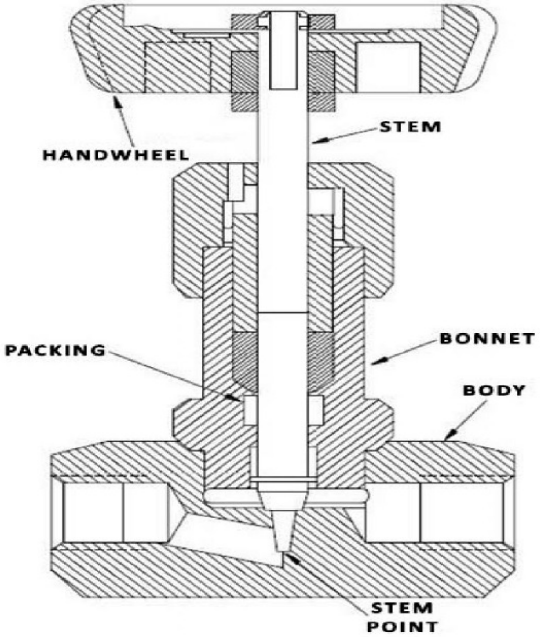
SLOWER OPERATION: GLOBE VALVES ARE NOT SUITED FOR SITUATIONS REQUIRING QUICK OPENING OR CLOSING.

GLOBE VALVES ARE TYPICALLY MADE OF STAINLESS STEEL, SUCH AS GRADES 304 AND 316. STANDARDS SUCH AS API 600 STAINLESS STEEL THREADED GLOBE VALVES DENOTE THE SIZES, PRESSURE CAPACITIES, AND OTHER PROPERTIES.

NEEDLE VALVE

Willwin Enterprises

NEEDLE VALVES ARE USED FOR FLOW CONTROL IN A VARIETY OF INDUSTRIES, INCLUDING MANUFACTURING, PETROCHEMICALS, AND WASTEWATER TREATMENT. HERE ARE SOME ADVANTAGES AND DISADVANTAGES OF NEEDLE VALVES, AS WELL AS SOME CONSIDERATIONS FOR THE GRADE OF NEEDLE VALVE:



ADVANTAGES

PRECISE FLOW CONTROL: NEEDLE VALVES CAN HANDLE A WIDE RANGE OF FLUIDS AND TEMPERATURES, AND OFFER PRECISE FLOW CONTROL.

COMPACT DESIGN: NEEDLE VALVES ARE COMPACT AND CAN BE INSTALLED IN TIGHT SPACES.

LEAK PREVENTION: PROPERLY OPERATED NEEDLE VALVES CAN PROVIDE A LEAK-TIGHT SEAL.

HIGH SAFETY LEVELS: NEEDLE VALVES ARE CONSIDERED TO BE SOME OF THE SAFEST VALVES ON THE MARKET.

DISADVANTAGES

INCOMPATIBILITY WITH HIGH-FLOW SITUATIONS: NEEDLE VALVES ARE NOT IDEAL FOR HIGH-FLOW SYSTEMS BECAUSE OF THEIR SMALL OPENING.

INABILITY TO “EYEBALL IT”: IT CAN BE DIFFICULT TO TELL IF THE VALVE IS OPEN OR CLOSED.

RISK OF CLOGGING: SOLID PARTICLES CAN GET LODGED IN THE SEAT AND DAMAGE THE VALVE.

GRADE

TITANIUM GRADE 5 NEEDLE VALVES ARE COMMONLY USED IN ENGINEERING AND INDUSTRIAL APPLICATIONS. THEY ARE LIGHTWEIGHT AND HAVE STRONG STRUCTURES.

MATERIAL

STAINLESS STEEL NEEDLE VALVES ARE IDEAL FOR ENVIRONMENTS THAT REQUIRE HIGH CORROSION RESISTANCE, DURABILITY, AND STRENGTH. BRASS OR PLASTIC MAY BE MORE COST-EFFECTIVE AND LIGHTER ALTERNATIVES FOR LOWER PRESSURES AND TEMPERATURES.

BALL VALVE

Willwin Enterprises

BALL VALVES HAVE MANY ADVANTAGES, INCLUDING:
COST-EFFECTIVE: BALL VALVES ARE MORE AFFORDABLE THAN OTHER, MORE COMPLEX VALVE TYPES.
ROBUST: BALL VALVES CAN WITHSTAND HIGH PRESSURES, VELOCITIES, AND TEMPERATURES.
EASY TO OPERATE: BALL VALVES REQUIRE LESS FORCE TO ACTUATE THAN GATE OR GLOBE VALVES.
VERSATILE: BALL VALVES ARE SUITABLE FOR A WIDE RANGE OF INDUSTRIAL APPLICATIONS.
LEAK-PROOF: BALL VALVES PROVIDE LEAK-PROOF SERVICE.
HOWEVER, BALL VALVES ALSO HAVE SOME DISADVANTAGES, INCLUDING:
PRONE TO BLOCKAGES
SLURRIES OR OTHER THICK LIQUIDS CAN SOLIDIFY OR CLOG INSIDE THE VALVE CAVITIES.
POOR THROTTLING CHARACTERISTICS
BALL VALVES SHOULD ONLY BE USED IN EITHER A FULLY OPEN OR FULLY CLOSED POSITION.
DIFFICULT TO CLEAN
BALL VALVES ARE NOT EASY TO CLEAN, WHICH LIMITS THEIR USE IN MEDICAL AND FOOD AND BEVERAGE APPLICATIONS.
FOR CERTAIN APPLICATIONS, SUCH AS DRINKING WATER AND GAS, IT MAY BE REQUIRED TO CHOOSE A CERTIFIED BALL VALVE TO ENSURE IT MEETS SAFETY REQUIREMENTS.
STAINLESS STEEL 304 IS THE MOST COMMON GRADE OF MATERIAL USED TO PRODUCE BALL VALVES.

BUTTERFLY VALVE

Willwin Enterprises

BUTTERFLY VALVES HAVE SEVERAL ADVANTAGES AND DISADVANTAGES, INCLUDING:

ADVANTAGES

COMPACT DESIGN: THEY ARE LIGHTWEIGHT AND REQUIRE LESS SPACE THAN OTHER VALVES.

QUICK OPERATION: A 90-DEGREE TURN CAN COMPLETELY SHUT OFF THE VALVE.
EASY MAINTENANCE: THEY HAVE A SIMPLE DESIGN WITH FEWER COMPONENTS TO INSPECT OR REPLACE.

COST-EFFECTIVE: THEY ARE USUALLY CHEAPER THAN OTHER VALVE TYPES.
VERSATILE: THEY CAN HANDLE DIFFERENT TYPES OF MEDIA, INCLUDING WATER, OIL, GASES, AND CORROSIVE FLUIDS.

DISADVANTAGES

LIMITED THROTTLING RANGE: THEY ARE NOT SUITABLE FOR HIGH-PRECISION FLUID CONTROL.
LOWER PRESSURE DROP: THEY CAN CAUSE A PRESSURE DROP ACROSS THE VALVE, EVEN WHEN FULLY OPEN.
NOT SUITABLE FOR HIGH-PRESSURE APPLICATIONS: THE DISC IS UNABLE TO RELIABLY WITHSTAND HIGH PRESSURES.
RELATIVELY LEAK-PRONE: THEY DO NOT PROVIDE 100% SEALING.

Worm Gear Flanged Butterfly Valve

Butt-welded Butterfly Valve

Wafer Butterfly Valve

Stainless steel Butterfly Valve

Lug Wafer Butterfly Valve

Pneumatic Flanged Butterfly Valve

PLUG VALVE

Willwin Enterprises

PLUG VALVES HAVE MANY ADVANTAGES, INCLUDING:

DURABILITY

PLUG VALVES ARE ROBUST AND CAN WITHSTAND HARSH ENVIRONMENTS AND ABRASIVE MEDIA.

QUICK OPERATION

PLUG VALVES CAN BE OPENED AND CLOSED QUICKLY WITH A QUARTER-TURN OPERATION. VERSATILITY

PLUG VALVES CAN HANDLE A WIDE RANGE OF FLUIDS, INCLUDING LIQUIDS, GASSES, AND

SLURRIES. THEY CAN ALSO BE DESIGNED TO OPERATE IN A WIDE RANGE OF CONDITIONS,

HANDLING PRESSURES UP TO SEVERAL THOUSAND POUNDS PER SQUARE INCH (PSI).

LOW MAINTENANCE

PLUG VALVES GENERALLY REQUIRE MINIMAL MAINTENANCE COMPARED TO MORE

COMPLEX VALVE DESIGNS.

BI-DIRECTIONAL FLOW

PLUG VALVES CAN HANDLE FLOW IN BOTH DIRECTIONS, PROVIDING FLEXIBILITY IN INSTALLATION.

ADAPTABILITY TO MULTIPORT CONFIGURATIONS

PLUG VALVES CAN BE DESIGNED WITH MULTIPLE PORTS, SIMPLIFYING COMPLEX PIPING.

VALVE CAN BE SERVICED IN PLACE

PLUG VALVES CAN BE SERVICED WHILE IN PLACE.

RELIABLE LEAK-TIGHT SERVICE

PLUG VALVES HAVE RELIABLE LEAK-TIGHT SERVICE DUE TO TAPERED PLUG WEDGING ACTION AND A REPLACEABLE SLEEVE.

PLUG VALVES ARE USUALLY AVAILABLE IN CYLINDRICAL OR CONICAL SHAPES. THEY ARE USED FOR STOPPING OR STARTING THE FLOW OF FLUID, AND CAN OFFER ON-OFF, DIVERTING, AS WELL AS BASIC MODERATE THROTTLING SERVICES.

CHECK VALVE

Willwin Enterprises

CHECK VALVES HAVE MANY ADVANTAGES, INCLUDING:

PREVENT BACKFLOW: CHECK VALVES ARE DESIGNED TO PREVENT REVERSE FLOW, WHICH CAN DAMAGE PUMPS AND COMPRESSORS.

FAST-ACTING: CHECK VALVES CAN QUICKLY RESPOND TO CHANGES IN FLOW DIRECTION.

CAN HANDLE HIGH AND LOW PRESSURE: CHECK VALVES CAN WITHSTAND A RANGE OF PRESSURE CONDITIONS.

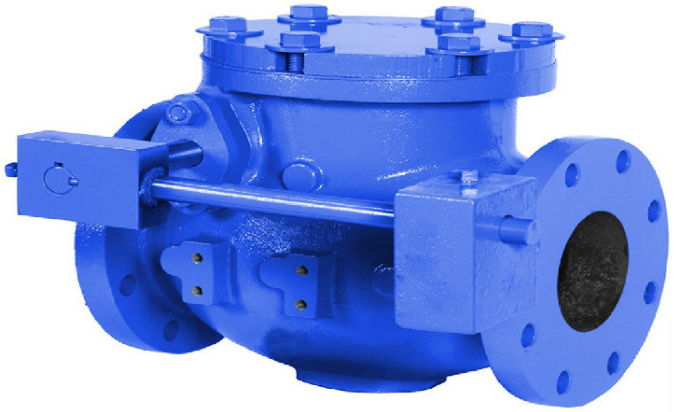
CAN BE USED IN DIFFERENT POSITIONS: CHECK VALVES CAN BE USED IN BOTH HORIZONTAL AND VERTICAL POSITIONS.

SELF-ACTUATED: CHECK VALVES DON'T REQUIRE EXTERNAL ACTUATION TO OPERATE.

REDUCE DOWNTIME: CHECK VALVES CAN HELP REDUCE DOWNTIME AND LOSS OF PRODUCTION.

LOWER MAINTENANCE COSTS: CHECK VALVES HAVE FEW MOVING PARTS, WHICH CAN LEAD TO LOWER MAINTENANCE COSTS.

SMALLER FOOTPRINT: CHECK VALVES ARE SMALLER THAN CONVENTIONAL CHECK VALVES.



HOWEVER, CHECK VALVES ALSO HAVE SOME DISADVANTAGES, INCLUDING:

CAN'T DETERMINE VALVE CONDITION: IT CAN BE DIFFICULT TO DETERMINE THE CONDITION OF A CHECK VALVE.

INSTALLATION LIMITATIONS: CHECK VALVES MAY HAVE LIMITATIONS ON WHERE THEY CAN BE INSTALLED.

MAY STICK OPEN: CHECK VALVES MAY OCCASIONALLY STICK IN THE OPEN POSITION.

MAY NOT PROVIDE A COMPLETE SEAL: SOME TYPES OF CHECK VALVES, LIKE WAFER CHECK VALVES, MAY NOT CREATE A COMPLETE SEAL, WHICH CAN LEAD TO LEAKAGE.

DIFFERENT TYPES OF CHECK VALVES HAVE DIFFERENT ADVANTAGES AND DISADVANTAGES, SO IT'S IMPORTANT TO CHOOSE THE RIGHT ONE FOR YOUR APPLICATION. FOR EXAMPLE, BALL CHECK VALVES ARE SIMPLE AND COST-EFFECTIVE, BUT THEY DON'T HAVE AN OPEN/CLOSE INDICATOR. WAFER CHECK VALVES ARE FAST AND AFFORDABLE, BUT THEY MAY NOT BE SUITABLE FOR SYSTEMS WITH LOW FLOW RATES OR THAT REQUIRE A TIGHT SEAL.

RELIEF VALVE

Willwin Enterprises

Relief valves are used to control pressure in systems, such as those that use compressed air or fluid. They open in proportion to the increase in pressure, which helps prevent damage or catastrophic failure. Here are some advantages and disadvantages of relief valves:

Advantages

Reliable: When properly sized and operated, relief valves are reliable.

Versatile: Relief valves can be used for many services.

Protects spring: In corrosive or dirty service, a bellows protects the spring from process fluid.

Disadvantages

Back pressure: The relieving pressure is affected by the back pressure, which is the pressure at the outlet of the valve.

Chatter: If the built-up back pressure is too high, the valve can chatter.

Bellows fatigue: The bellows can fatigue, allowing process fluid to escape through the bonnet.

Set point drift: The set point can drift over time after installation.

Other considerations for relief valves include:

Rain cap: A rain cap can provide a visual indication when the relief valve opens.

Self-operated relief valve: A self-operated relief valve can throttle at less than full relief and is more stable than a pop relief.

Testing frequency: The American Society of Mechanical Engineers (ASME), National Board Inspection Code (NBIC), and state and local jurisdictions may set requirements for testing frequency.

DIAPHRAGM VALVE

Willwin Enterprises

DIAPHRAGM VALVES HAVE MANY ADVANTAGES, INCLUDING THEIR ABILITY TO HANDLE CORROSIVE AND ABRASIVE FLUIDS, BUT ALSO HAVE SOME DISADVANTAGES:

ADVANTAGES

CHEMICAL RESISTANCE: DIAPHRAGM VALVES CAN HANDLE HAZARDOUS CHEMICALS AND RADIOACTIVE FLUIDS.

EASY TO MAINTAIN: DIAPHRAGM VALVES ARE EASY TO CLEAN AND MAINTAIN, AND CAN BE STERILIZED.

LOW-PRESSURE DROP: DIAPHRAGM VALVES HAVE A LOW-PRESSURE DROP.

SIMPLE STRUCTURE: DIAPHRAGM VALVES HAVE A SIMPLE STRUCTURE WITH FEW MOVING PARTS.

TIGHT SHUTOFF: DIAPHRAGM VALVES HAVE AN ANTI-LEAK SEAL WITH A TIGHT SHUTOFF.

WIDE TEMPERATURE RANGE: DIAPHRAGM VALVES CAN OPERATE EFFECTIVELY ACROSS A WIDE TEMPERATURE RANGE.

DISADVANTAGES

LIMITED SIZE RANGE: DIAPHRAGM VALVES HAVE A LIMITED SIZE RANGE.

LIMITED WORKING TEMPERATURES AND PRESSURES: DIAPHRAGM VALVES ARE ONLY SUITABLE FOR MODERATE PRESSURES AND TEMPERATURES.

NOT RECOMMENDED FOR VACUUM SERVICES: DIAPHRAGM VALVES ARE NOT RECOMMENDED FOR VACUUM SERVICES.

CAN BECOME BLOCKED: DIAPHRAGM VALVES CAN BECOME BLOCKED WITH DEBRIS OVER TIME.

DIAPHRAGM VALVES ARE USED IN MANY INDUSTRIES, INCLUDING POWER, VACUUM SERVICES, BREWERIES, WATER TREATMENT, AND PHARMACEUTICAL MANUFACTURING.

PINCH VALVE

Willwin Enterprises

PINCH VALVES ARE SIMPLE VALVES WITH MANY ADVANTAGES, BUT THEY ALSO HAVE SOME DISADVANTAGES:

ADVANTAGES

LOW MAINTENANCE: PINCH VALVES ARE INEXPENSIVE, LIGHTWEIGHT, AND HAVE LOW MAINTENANCE COSTS.

EASY TO CLEAN: PINCH VALVES ARE SELF-CLEANING AND CAN BE CLEANED USING CIP.

FAST OPENING AND CLOSING: PINCH VALVES HAVE QUICK OPENING AND CLOSING TIMES.

RESISTANT TO ABRASION: PINCH VALVES ARE RESISTANT TO ABRASIVE MATERIALS AND CAN HANDLE FLUIDS WITH HIGH CONCENTRATIONS OF SOLIDS.

NO LEAKAGE: PINCH VALVES HAVE NO BEARINGS, SEALS, OR PACKING, SO THEY DON'T LEAK.

STRAIGHT FLOW PATH: PINCH VALVES HAVE A STRAIGHT FLOW PATH THAT MINIMIZES TURBULENCE AND FRICTION.

GOOD FOR THROTTLING: PINCH VALVES CAN BE USED FOR THROTTLING APPLICATIONS WITH AN EFFECTIVE RANGE OF 10% TO 95% OF THEIR RATED FLOW CAPACITY.

DISADVANTAGES

LIMITED TEMPERATURE RANGE: PINCH VALVES HAVE A LIMITED TEMPERATURE RANGE AND CAN'T OPERATE IN SERVICES THAT REQUIRE HIGH TEMPERATURES.

LIMITED OPERATING PRESSURE: PINCH VALVES HAVE A LIMITED OPERATING PRESSURE.

FACE TO FACE LENGTH: THE FACE TO FACE LENGTH OF A PINCH VALVE MAY BE AN ISSUE IF THERE'S LIMITED SPACE FOR FITTING THE VALVE.

PINCH VALVES ARE OFTEN USED IN INDUSTRIAL AREAS SUCH AS CEMENT, PIGMENTS, GRANULES, CERAMICS, GLASS, SEWAGE WATER, AND MUD.

CONTROL VALVE

Willwin Enterprises

CONTROL VALVES, ESSENTIAL TO A FLUID MANAGEMENT SYSTEM, OFFER NUMEROUS ADVANTAGES, SUCH AS FLOW MODULATION, ENERGY SAVINGS, AND PROCESS OPTIMIZATION. HOWEVER, THEY HAVE DRAWBACKS, SUCH AS HIGH COST, MAINTENANCE REQUIREMENTS, AND LIMITATIONS.

ADVANTAGES OF CONTROL VALVES:

FLOW MODULATION: CONTROL VALVES ALLOW FOR ACCURATE CONTROL OF FLUID FLOW RATES, REGARDLESS OF THE INCOMING PRESSURE AND TEMPERATURE OF THE FLUID. THIS IS ESPECIALLY TRUE IN APPLICATIONS WITH VARYING PROCESS REQUIREMENTS OR WHERE MULTIPLE PIPELINES RECEIVE FLUID FROM A SINGLE SOURCE. CONTROL VALVES ALSO ALLOW THE FLOW RATE TO BE ADJUSTED UP OR DOWN, DEPENDING ON THE REQUIRED OUTPUT.

LOWER ENERGY CONSUMPTION: CONTROL VALVES HELP TO CONSERVE ENERGY BY MAINTAINING A CONSISTENT FLOW RATE, THEREBY REDUCING THE OVERALL ENERGY CONSUMPTION OF A FLOW CONTROL SYSTEM. THE ABILITY TO REGULATE THE FLUID FLOW AND PRESSURE TRANSLATES TO LOWER PUMPING PRESSURE, WHICH, IN TURN, TRANSLATES TO A LOWER ENERGY DEMAND.

PROCESS OPTIMIZATION: CONTROL VALVES ARE ESSENTIAL FOR OPTIMIZING PROCESS FLUID CONTROL SYSTEMS. THEY HELP MAINTAIN THE IDEAL PROCESS FLUID TEMPERATURE, PRESSURE, AND VOLUME, ENSURING THE INDUSTRIAL PROCESS IS EFFICIENT AND EFFECTIVE. THIS TRANSLATES TO BETTER PRODUCTIVITY AND A SMOOTH OPERATION PROCESS TO HELP COMPANIES MEET THEIR BOTTOM-LINE GOALS.

IMPROVED SYSTEM LONGEVITY: CONTROL VALVES CAN HELP EXTEND THE LIFESPAN OF AN INDUSTRIAL FLUID CONTROL SYSTEM SINCE THEY REGULATE FLUID FLOW RATE AND PRESSURE THROUGH THE PIPING. THE CONSISTENT AND ACCURATE MEASUREMENT OF FLUID FLOW TRANSLATES TO REDUCED WEAR AND TEAR OF THE EQUIPMENT, SAVING ON REPAIR TIME AND EXPENSES IN THE LONG RUN.

DISADVANTAGES OF CONTROL VALVES:

HIGH COST: CONTROL VALVES ARE COST-INTENSIVE, ESPECIALLY FOR SYSTEMS REQUIRING MULTIPLE CONTROL VALVES. PURCHASING AND INSTALLING SUCH SYSTEMS MAY BE PROHIBITIVE FOR SMALL-SCALE INDUSTRIES OR APPLICATIONS.

MAINTENANCE AND REPAIR: CONTROL VALVES, LIKE ANY OTHER EQUIPMENT, REQUIRE REGULAR MAINTENANCE, AND THEY MAY REQUIRE MORE FREQUENT REPAIRS THAN OTHER INDUSTRIAL EQUIPMENT. THIS INCREASES OVERHEAD COSTS, WHICH TRANSLATES TO HIGHER OPERATING COSTS.

LIMITATION IN CAPACITY AND OPERATION: CONTROL VALVES HAVE LIMITATIONS REGARDING FLOW RATE AND PRESSURE HANDLING ABILITIES. THE SPECIFIC CAPACITY OF CONTROL VALVES DEPENDS ON THE EQUIPMENT MANUFACTURER, THE SIZE OF THE CONTROL VALVE, AND ITS PHYSICAL PROPERTIES, MEANING THAT THERE MAY BE A LIMIT TO THE UNIT'S OPERATION.

COMPATIBILITY WITH DIFFERENT FLUIDS: CONTROL VALVES MAY ONLY BE COMPATIBLE WITH SOME FLUIDS, MAKING THEM UNSUITABLE FOR CERTAIN APPLICATIONS. SOME APPLICATIONS MAY REQUIRE SPECIALIZED FLOW CONTROL DEVICES TO REGULATE FLUID FLOW RATES, TEMPERATURE, AND PRESSURE.

BAGASSE BAIL BREAKER / CONVEYING SYSTEM

Willwin Enterprises

OUR SYSTEM IS OF SINGLE STAGE(2 ROTOR) & DOUBLE STAGE (3 ROTOR) MODEL DEPENDS UPON CAPACITIES.

AVAILABLE CAPACITIES ARE FROM 5TPH TO 40TPH.

BALE BREAKER IS DYNAMICALLY BALANCED OR ROTORS AND DULY FITTED WITH FLY WHEEL FOR POWER REDUCTION AND SUSTAINED BY KINETIC ENERGY & CUTTING KNIVES ARE OF CAST STEEL AND EASILY REPLACEABLE. ENTIRE SYSTEM IS MOUNTED ON THE HEAVY DUTY MS FABRICATED FRAME

BAGASSE HANDLING CONVEYOR SYSTEM FOR CO-GENERATION PLANT

Willwin Enterprises

THE COMPLETE SYSTEM OF VARIOUS CAPACITIES AS PER CLIENTS REQUIREMENTS.

BAGASSE HANDLING SYSTEM COMPRISES,

BELT CONVEYORS,

SLAT CHAIN CONVEYORS (MBC, ELEVATOR) DRUM FEEDERS,

BAGASSE SILOS,

CLEATED TYPE BELT CONVEYOR,

MOTORIZED R&P GATE AND TWO WAY FLATE GATE,

PLOUGH ASSEMBLY ETC...

ASH HANDLING SYSTEM

Willwin Enterprises

THE SYSTEM IS VERY MUCH SAFE, EFFECTIVE, RELIABLE AND PERFORMANCE PROVEN.

HIGHLY EFFECTIVE CONTROL OF DUST AND MATERIAL SPILLAGE AT THE LOADING ZONE BY PROVIDING EFFECTIVE SKIRTING, SCRAPER & SYSTEM TOTAL ENCLOSED WITH BOTTOM SEALING, SIDE SEALING AND HOOD COVER.

ASH HANDLING SYSTEM COMPRISES OF:

- SUB MERGED ASH BELT CONVEYOR
- ASH BELT CONVEYOR
- SCREW CONVEYOR
- CONTINUOUS TYPE BELT BUCKET ELEVATOR
- ROTARY VANE FEEDER
- DUST CONDITIONER
- ASH STORAGE SILO WITH R P GATE

COAL HANDLING CONVEYOR SYSTEM

Willwin Enterprises

- GROUND HOPPER WITH ISOLATION GATE
- VIBRO FEEDER AT THE BOTTOM
- GRIZZLY ON TOP TO RECEIVE THE COAL
- CRUSHING AND SCREENING SYSTEM
- COAL BUNKER
- MAGNETIC SEPARATOR
- BELT WEIGHER
- DUST EXTRACTION SYSTEM

SOME OF MACHINES…

Willwin Enterprises

SAND PLANT…

Willwin Enterprises

SAND PLANT…

Willwin Enterprises

SAND PLANT…

Willwin Enterprises

CORE SHOOTER ...

Willwin Enterprises

SOME OF MACHINES…

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OUR COMMERCIAL DETAILS...

Willwin Enterprises

OUR GSTIN NO. 29DUOPS2994Q1Z3
OUR UAM NO. KR04A0026587

BANK DETAILS...

BANK NAME : YES BANK LTD
CURRENT ACCOUNT NUMBER : 054761900000587
IFS CODE : YESB0000547
BRANCH : YES BANK LTD
PART GROUND FLOOR,
THAKKAR PLAZA, CLUB ROAD,
BELGAUM. 590001

Willwin
Enterprises

THANK
YOU

LOOKING FORWARD FOR YOUR VALUABLE INQUIRIES & ORDERS SOON