



TOTAL VALVE SOLUTIONS

*Actuation • Field Service
Management • Service Centers*

DISTRIBUTION
NOW[™]

DistributionNOW

DistributionNOW is an industry-leading provider of pipe, valves and valve actuation, fittings, mill and industrial supplies, tools, safety products, and artificial lift systems to the upstream, midstream, and downstream and industrial markets. We are also recognized as a leading supply chain solutions company providing value-added services, including supply chain management, project management, and e-commerce solutions. Our associates are the best in the business, with extensive knowledge, broad experience, and a thorough understanding of our customers' process and business drivers.

DistributionNOW has over 300 locations in more than 20 countries, serving the upstream, midstream, and downstream and industrial markets. We will continue to expand our global footprint wherever there is an opportunity to better serve our customers.

For more than 150 years, our customers have looked to us to provide them with the products and services that make their businesses run. We stock more than 150,000 diverse products, and we have the technical expertise to back them up.

UPSTREAM



Drilling



Exploration and Production

MIDSTREAM



Processing



Transmission

DOWNSTREAM AND INDUSTRIAL



Refining, Petrochemical, Chemical and Utilities



Manufacturing and Machine Tool

Triple IMPACT™ Supplier Program



DistributionNOW Triple IMPACT™

DistributionNOW provides products from the industry’s leading manufacturers with the caveat that each manufacturer adhere to the stringent Triple Impact Supplier Evaluation Program, which includes ISO 2859 QA/QC receiving inspections, a continually maintained approved manufacturers list, and enhanced quality checkpoints — all of which are the cornerstones of our IMPACT Quality Program. This proprietary program ensures that the products we supply meet the ever changing and stringent safety and quality requirements of the energy industry.

We are the only supplier that can inventory, package and deliver products in accordance with rigid quality control requirements in any part of the world. DistributionNOW’s Triple IMPACT program is continually acknowledged by our customers and suppliers as the industry’s most sophisticated distribution Quality Program. Our audits of supplier sites, statistical material testing and our in-house or third party lab tests of selected products help prove why our program differentiates us to all of our customers throughout the world.

The IMPACT Quality program is built around the following tenets:

- I**ncrease Employee Capabilities
- M**aintain Accurate Inventory
- P**rovide Quality Product and Services
- A**lways Deliver On-Time
- C**ontinually Improve
- T**otal Customer Satisfaction

Upstream

DistributionNOW has been a trusted supplier in the Upstream Oil and Gas Market for many years. From offshore production platforms to floating production, storage and off-loading (FPSO) to land-based drilling rigs worldwide, we handle the diverse needs of the industry. DistributionNOW provides upstream supply chain solutions for the varying needs of our customers. Whether your needs call for floating or trunnion ball valves, swing check valves or triple offset butterfly valves, DistributionNOW stocks the sizes, configurations, pressure classes and trims that you require. In addition, we stock the premier manufacturers of many of the industries preferred suppliers.



Midstream and Gas Utility

Within the midstream and gas utility market, DistributionNOW offers unparalleled products and services. All of the processes and plants between the wellhead and the refinery or city gate are considered midstream, which includes the gathering, processing, compression, fractionation, and production clean-up, transmission and terminals. The midstream segment covers the transport of crude oil, natural gas, natural gas liquids (NGL), separation NGL (including ethane, propane and butane) from the stream. Local natural gas utilities represent the final step in the natural gas delivery process — distribution to the local customers.

DistributionNOW supplies a wide variety of products specific to the midstream sector, including valves and actuation, line pipe, high yield fittings and flanges and mill, tool and safety products.

Within our world class distribution network, we strategically locate midstream products close to key markets. We further support this effort with regional market sales specialists, product line specialists, and a specially trained inside sales staff and specialists to provide the highest level of customer-focused support available.

Downstream and Industrial

In the downstream markets, DistributionNOW supplies valves, actuators and custom engineered packages to perform specific functions in critical, unique flow control environments such as refineries and petrochemical plants. Our world-class distribution network, backed by skilled, experienced customer service and field valve specialists, gives DistributionNOW the unique position to offer gate, ball, plug, butterfly, globe and check valves for the most demanding applications.

In addition to serving all sectors of the oil and gas and energy industry, DistributionNOW is also a trusted supplier to other industrial arenas. DistributionNOW supplies one of the industry's most comprehensive inventories of valve products. We specialize in the commodity products as well as the specials, ranging from low to high pressure applications. DistributionNOW's product-driven solutions help to improve process inefficiencies and provide a lower total cost of ownership through reduced operation, installation and maintenance costs.



Gate, Globe, Check and Plug Valves

API 6A Gate Valves

- Size range: 1 1/16 – 7 1/16 in.
- Actuation compatible-hydraulic and pneumatic
- Full and reduced bore designs
- Expanding gate and slab gate designs
- API trim codes: AA, BB, CC, DD, EE, FF, HH



Pressure Classes and End Connections

- ASME Classes 400, 600, 900 and 1500
- API 1000 to 15,000#
- Threaded, welded, grooved, flanged-API/ASME, union end

Body Materials

Aluminum bronze, ductile Iron, carbon steel, low temp carbon steel, duplex steel, stainless steel and alloys

Options

- Trim options, packings and coatings to meet various service conditions, including H₂S and CO₂
- NACE MR0175/MR0103 trim options available

API 6D Gate Valves

- Size range: 2 – 60 in.
- Block and bleed capability
- Over-pressure relief systems (DTRs)
- Emergency sealant injection system
- Compatible with a wide range of actuators
- Bidirectional sealing design
- Full bore through conduit design
- Slab or expanding gate design



Pressure classes and end connections

- ANSI/ASME class 150 - 2500# - flanged-RF or RTJ and butt-weld ends

Materials

Carbon steel, low temp. carbon steel, specials

Options

- NACE MR0175/MR0103 trim options available

Plug Valves

- Lubricated, non-lubricated
- Size range: 1/4 – 24 in.
- Pressure balanced, Inverted, DBB combination



Pressure Classes and End Connections

- ANSI/ASME Class 150 - 2500# – threaded, socket-weld, butt-weld, and flanged

Body Materials

Cast and ductile Iron, carbon steel, low temp. carbon steel, stainless steel, alloys

Options

- NACE MR0175/MR0103 trim options available

API 600/603 Gate, Globe and Check Valves

- Size range: 2 – 60 in.
- Cast steel
- Low-emission LDAR compliant
- Bolted bonnet
- Compatible with a wide range of actuators
- Bidirectional sealing design
- All API trims are available.
- Flexible wedge designs



Pressure classes and end connections

- ANSI/ASME classes: 150 - 2,500# – flanged-RF or RTJ and butt-weld ends

Body Materials

Carbon steel, low temp. stainless steel, duplex, super duplex, specials

Options

- NACE MR0175/MR0103 trim options available

API 602 Gate, Globe and Check Valves

- Size range: 1/4 – 4 in.
- Forged steel
- Low-emission LDAR packing
- API 622 designs
- Bidirectional sealing design
- Bolted bonnet, welded bonnet, Y-pattern
- Integral flanged body options
- Gate valves-extended body options
- Globe valves-T-pattern, Y-pattern, stop checks
- Check valves-piston, Y-pattern piston, ball, swing, vertical ball
- Spring closing checks and globes
- Lantern rings
- Bellows seal option



Pressure Classes and End Connections

- ANSI/ASME Class 150 - 4,500# – flanged-RF or RTJ, butt-weld
- API class 800, 1500, 2500, 4500- threaded, socket or butt weld

Body Materials

Carbon steel, low temp. carbon steel, stainless steel, chrome, specials

Options

- NACE MR0175/MR0103 trim options available

HF ACID API 602 and API 600 Gate, Globe, Check and Plug

- Size range: 1/2 – 36 in.

Pressure Classes and End Connections

- ANSI/ASME classes: 150# - 600# – flanged
- API 800 - threaded and socket-weld
- UOP and Phillips design approval



Check Valves

- Size range: 1/2 – 60 in.
- Flanged-swing, piston, lift or nozzle
- Threaded-swing, piston or lift
- Wafer-swing, double door, non-slam, nozzle style
- ASME Classes 400, 600, 900 and 1500
- API 1000 to 15,000#
- Threaded, welded, grooved, flanged-API/ASME, union end
- NACE trim
- Special seat design options
- Dampener designs
- Custom trim options, packings and coatings to meet a variety of service conditions



Pressure Classes and End Connections

- ANSI/ASME Class 150 - 2500#
- API, PN and other pressures available
- Flanged-RF or RTJ, threaded, butt-weld, and socket-weld

Body Materials

Aluminum bronze, carbon steel, ductile iron, stainless steel, duplex steel, alloys

API 6D Lubricated and Expanding Plug Valves

- Size range: 3/4 – 36 in.
- Tapered or parallel plug options
- Manual hand wheel, gear or actuator operated
- Bolted or welded construction
- Special seat design options
- Inverted plug, pressure balanced, double block and bleed
- Modification service available for all stock options



Pressure Classes and End Connections

- ANSI/ASME 150 - 2500# – flanged-RF or RTJ, butt-weld, socket-weld, and threaded

Body Materials

Carbon steel, low temp. carbon steel, stainless steel, specials

Options

- NACE MR0175/MR0103 trim options available

Wafer/Dual Plate Check Valves

- Size range: 1 1/2 – 60 in.
- API 594 design
- Swing, double door and non-slam



Pressure Classes and End Connections

- ANSI/ASME classes: 150 - 2500# – standard, retainer-less
- Wafer, lug and thru bolted

Body Materials

Carbon steel, low temp. stainless steel, specials

Quarter Turn Ball and Butterfly Valves

Modular Ball Valves (DBB)

- Size range: 1/2 – 24 in.
- Twin ball isolation, trunnion mounted, floating ball, gate, needle and ball combinations
- OS&Y needle vent valves
- High temperature, high pressure gas tested
- Injection quills, sample points, in-built check valves
- Stem extensions, low emission packing



Pressure Classes and End Connections

- ANSI/ASME class 150 - 4500# API 10k, 15k - flanged, butt-weld, threaded, and combination

Body Materials

Aluminum bronze, carbon steel, low temp carbon steel, duplex steel, stainless steel and alloys

Options

- NACE MR0175/MR0103 trim options available

API 6D Ball Valves

- Size range: 1/4 – 52 in.
- Floating ball / trunnion mounted
- Cast or forged construction
- Full or reduced bore
- Manual lever, gear or actuator operated
- Two- or three-piece bolted construction
- Side or top entry
- All welded construction
- Special seat design options - self relieving
- Hi-head extensions
- ENP or stainless steel trim
- API-6FA and API-607 fire safe



Pressure Classes and End Connections

- ANSI/ASME 150 - 2500# – flanged-RF or RTJ, and butt-weld, socket-weld, and threaded
- API and other pressure classes

Body Materials

Carbon steel, low temp. carbon steel, stainless steel, duplex, super duplex, specials

Options

- NACE MR0175/MR0103 trim options available
- Modification service available for all stock options
- Seat options
 - High and low temperature
 - Nylon, PEEK, RTFE, PTFE
 - Single or double piston effect

Flanged, Threaded, and Socket-Welded Ball Valves

- Size range: 1/4 – 56 in.
- Soft and metal seated
- Floating ball design
- One-, two- and three-piece design
- Side, end and top entry
- Fire safe and non-fire safe
- Manual lever, gear or actuator operated
- Low emission packing



Pressure Classes and End Connections

- API 600 - 2500# – threaded and socket-weld
- ANSI/ASME 150 - 2500# – flanged-RF or RTJ, socket-weld and butt-weld ends

Body Materials

Carbon steel, low temp. carbon steel, stainless steel, duplex, super duplex, specials, bronze, brass

Options

- NACE MR0175/MR0103 trim options available
- Variety of ball, stem, seating and packing options
- Vented ball or V-Port
- Stem extensions, locking devices and others

Triple Offset Butterfly

- Size range: 3 – 120 in.
- High temperature
- API-6FA and API 607 fire safe
- Steam jacketing
- Class IV to Class VI and above shutoff classes
- Low emission packing
- Replaceable seats and seals



Pressure Classes and End Connections

- ANSI/ASME classes: 150 - 1500# - double flanged (ANSI/ASME 16.10 end to end), lugged, wafer, and butt-weld

Body Materials

Carbon steel, stainless steel, specials

Options

- NACE MR0175/MR0103 trim options available

Resilient Seated Butterfly

- Size range: 2 – 144 in.
- Pressure Classes and End Connections
 - Shut off ratings: 50 PSI, 150 PSI, 200 PSI, 285 PSI – wafer, lug, and double flanged



Materials

- Body: cast and ductile iron, carbon steel, stainless steel and aluminum bronze
- Discs: nickel plated ductile iron, aluminum bronze and Stainless steel, encapsulated, alloys
- Stem: 400 and 300 series stainless steel, 17-4, XM19, others
- Seat: NBR, HNBR, EP, FKM, FKM-B, FKM-F, CSM, CR, ECO, PTFE

Options

- UL/FM approval and buried service
- Stem extensions
- Many more options available

High Performance Butterfly

- Size range: 2 1/2 – 60 in.
- Soft and metal seated
- Fire safe and non-fire safe
- Low emission packing
- Manual hand wheel, gear or actuator operated



Pressure Classes and End Connections

- ANSI/ASME classes: 150 to 600# – wafer, lug, and flanged

Body Materials

Carbon steel, stainless steel and alloys with a variety of trim options

Options

- UL/FM approval and buried service
- Stem extensions
- NACE MR0175/MR0103 trim options available
- Many more options available

A variety of sizes and pressure classes are available in both English and metric depending on region and manufacturer for all valves.

Specialty Valves

Choke Valves

- Size range: 1 1/16 – 7 1/16 in.
- Manual hand wheel, gearbox, air or electric actuator operated
- Special trim design options
- Manual override options
- Modification service available for all stock options



Pressure Classes and End Connections

- 2000 to 15,000# - Threaded, welded, grooved or flanged-API/ASME/ANSI

Body Materials

Carbon steel, low temp carbon steel, duplex steel, stainless steel and alloys

Options

- NACE MR0175/MR0103 trim options available
- ANSI/ASME and API ratings available

Control Valves

Globe Style

- Size range: 1/2 – 24 in.
- Pressure classes: ANSI/ASME 150 - 2500#
- Severe service - high noise, cavitation, high temp, cryogenic



V-ball

- Size range: 1 – 12 in.
- Pressure classes: ANSI/ASME 150 - 900#
- Severe service - high noise, cavitation, high temp, cryogenic

HP Butterfly

- Size range: 2 – 48 in.
- Pressure classes: ANSI/ASME 150 - 600#
- Flanged RF, RTI, SW, BW
- Severe service - high noise, cavitation, high temp, cryogenic

Body Materials

Carbon steel, stainless steel

Options

- NACE MR0175

Cryogenic Valves

Gates

- Size range: 1/2 – 48 in.
- Pressure classes: ANSI/ASME 150# - 2500#
- Low temperature testing

Globes

- Size range: 1/2 – 16 in.
- Extended bonnet

Check

- Size range: 1/2 – 30 in.

Ball

- Size range: 1/2 – 24 in.
- Floating, trunnion

Butterfly

- Size range: 3 – 112 in.
- Body styles: double flanged, lugged, wafer
- Double and triple offset

Pressure Classes and End Connections

- ANSI/ASME classes: 150 - 2500# - flanged RF or RTJ, butt-weld, socket-weld, and threaded

Body Materials

- Stainless steel, other materials upon request
- Forged and cast



Pressure Seal

- Size range: 2 – 24 in.
- Pressure seal flexible wedge gate, parallel slide gate, globe valves T-pattern and Y-pattern, check valves
- Designed to ANSI/A SME B16.34 and API 600
- Non-rotating stem
- Hard faced seating surfaces



Pressure classes and end connections

- ANSI/ASME Class 600 - 4500# - flanged or weld ends

Body Materials

Carbon steel, low chromes, stainless steel, alloys, specials

Options

- NACE MR0175/MR0103 trim options available

Instrumentation Valves

- Size range: 1/4 – 1 in.
- Forged
- Cylinder, gauge, plug
- Precise flow regulation, isolate, equalize and vent
- Non-rising stem
- Body to bonnet pressure sealed
- High temperature, high pressure
- PTFE, PTFE high pressure, PEEK, graphite seats, metal to metal



Pressure Classes and End Connections

- 3000 - 10,000# PSI - threaded, socket-weld, and butt-weld

Body Materials

Carbon steel, brass, stainless steel, specials

Additional Valve and Actuation Services and Capabilities

Valve Actuation Services

DistributionNOW also packages custom over pressure protection panels, line break detection and emergency shutdown controls. Total Valve Solutions provides single-source responsibility for valve, actuator and control packages. Single-source responsibility at DistributionNOW means not only stocking the valves, actuators, mounting hardware and controls, but providing the sizing criteria, control logics, documentation, CADD drawings and functional testing.

Services also include:

- Field retro-fit of existing valve actuation
- OQSD certified personnel
 - Installation
 - Commissioning
 - On-site training
- Field assessment for service on existing equipment



Valve Reconditioning

DistributionNOW's rigorous remanufacturing and certification process delivers a valve that will meet or exceed the specifications and performance of new valves. The foundation of our reconditioning services is meeting material specifications and performance standards necessary to ensure mechanical integrity. Services include:

- Complete disassembly and blast down of valve and components
- Thorough inspection of all parts to ensure conformance with ASME, ANSI, and ISA standards
- Replacement of non-conforming parts
- Reassembly
- Complete pressure testing of the valve assembly (hydrostatic, seat, and performance)

All steps in the process are controlled by a quality checklist to verify that the valve conforms to regulatory standards. Additionally, a report is generated for all repairs to assess the failure, identify the cause, and enable the customer to prevent any related failures in the future.



Actuated Valves

DistributionNOW has a dedicated Valve Actuation Team focusing entirely on the valve actuators and associated control systems market.

Working with the full support of the foremost actuator and controls manufacturers, our experienced team of engineers and technicians can design and deliver a complete range of actuation solutions.

The prime elements of our services include:

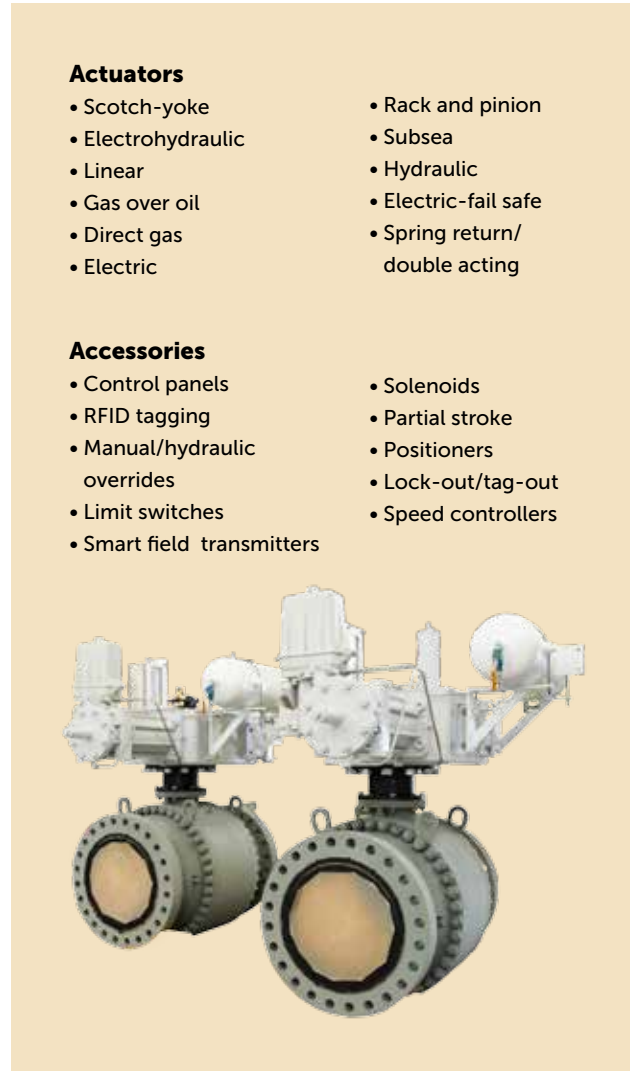
- Mounting, testing and calibration of actuators and controls to existing and new valves
- On/off, modulating, spring return (fail safe) and control valves
- Multi-turn actuation
 - Electric-on/off, modulating, spring return fail safe
 - FM/CSA-Class I, Division 1, Groups C and D
 - Bus communication options
 - Blue-tooth communication
 - Linear
 - Pneumatic
 - Gear operators
- Quarter-turn actuation
 - Pneumatic
 - Direct gas
 - Low or high pressure
 - Gas over oil
 - Electrohydraulic
 - Scotch-yoke
 - Rack and pinion
 - Linear
 - Hydraulic power units
 - Gear operators
 - Special overrides
- Emergency shut down (ESD)
- Partial stroke testing
- SIL-rated
- High integrity pressure protection system (HIPPS)
- Over pressure protection (OPP)
- Custom control panel design
- Custom mounting kits and lock-outs
- Single source liability
- Field service, installation, valve maintenance
- Substantial inventories of valves and actuators for immediate deliveries

Actuators

- Scotch-yoke
- Electrohydraulic
- Linear
- Gas over oil
- Direct gas
- Electric
- Rack and pinion
- Subsea
- Hydraulic
- Electric-fail safe
- Spring return/double acting

Accessories

- Control panels
- RFID tagging
- Manual/hydraulic overrides
- Limit switches
- Smart field transmitters
- Solenoids
- Partial stroke
- Positioners
- Lock-out/tag-out
- Speed controllers



As you work with DistributionNOW, you can be assured that our dedicated Valve Actuation Team will deliver the highest quality, most comprehensive valve actuation packages available.

	MARKET SEGMENTS									
	Upstream Offshore Drilling	Upstream Offshore Production	Upstream Onshore Drilling	Upstream Onshore Production	Midstream Pipeline	LNG	Gas Utilities	Downstream-Refining	Downstream-Petrochemicals	Downstream-Chemicals
VALVE TYPE										
Gates, Globes Checks										
API 600 Cast Steel	X	X	X	X	X	X	X	X	X	X
API 602 Forged	X	X	X	X	X	X	X	X	X	X
API 603	X	X	X	X	X	X	X	X	X	X
Pressure Seal								X	X	X
Y-Patten								X	X	X
Through Conduit API 6A	X	X	X	X	X	X	X	X	X	X
Bronze and Iron	X	X	X	X	X	X	X	X	X	X
Water Check/Dual Plate	X	X	X	X	X	X	X	X	X	X
Swing Check API 6D	X	X	X	X	X	X	X	X	X	X
Slab and Expanding Gate API 6D	X	X	X	X	X	X	X	X	X	X
Plug Valves										
Expanding Plug API 6D	X	X	X	X	X	X	X	X	X	X
Lubricated Plug	X	X	X	X	X	X	X	X	X	X
Non-Lubricated Plug								X	X	X
HF Acid								X	X	X
Plastic Lined								X	X	X
Butterfly										
Resilient Seated	X	X	X	X	X	X	X	X	X	X
High Performance	X	X	X	X	X	X	X	X	X	X
Triple Offset	X	X	X	X	X	X	X	X	X	X
Plastic lined										X
Ball										
Floater	X	X	X	X	X	X	X	X	X	X
API 6D Trunnion	X	X	X	X	X	X	X	X	X	X
Metal Seated/Severe Service	X	X	X	X	X	X	X	X	X	X
API 6D Rising Stem	X	X	X	X	X	X	X	X	X	X
Plastic Lined										X
Twin Ball Double Block and Bleed		X		X	X					
Special										
Needle Valve	X	X	X	X	X	X	X	X	X	X
Knife Gate	X	X	X	X	X	X	X	X	X	X
Cryogenic					X	X		X	X	X
Diaphragm										X
Pinch										X
Valve Actuation										
Pneumatic Actuation	X	X	X	X	X	X	X	X	X	X
Gas over Oil Actuation					X					
Direct Gas Actuation					X					
Liner Pneumatic Actuation	X	X	X	X	X	X	X	X	X	X
Electrohydraulic Actuation	X	X	X	X	X	X	X	X	X	X
Electric Actuation	X	X	X	X	X	X	X	X	X	X
Scotch Yoke Actuation	X	X	X	X	X	X	X	X	X	X
Rack and Pinion Actuation	X	X	X	X	X	X	X	X	X	X

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WE WANT TO HEAR FROM YOU!

Please send customer service comments
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