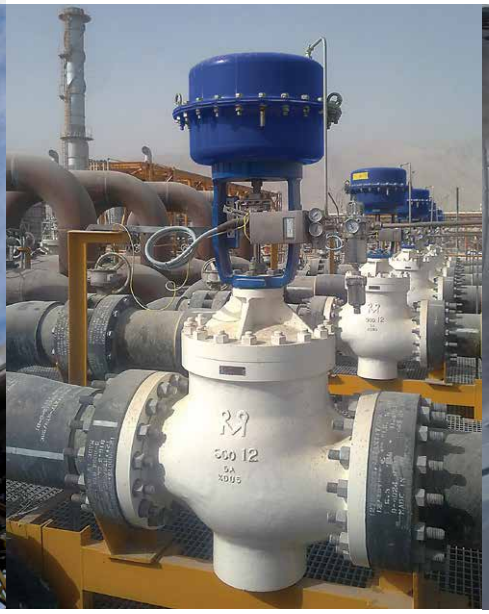
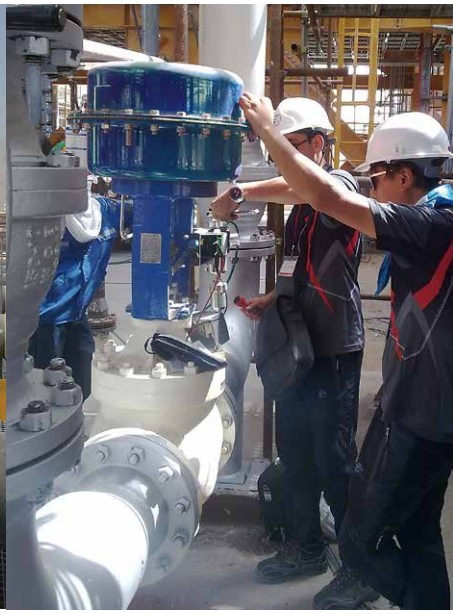
KOMOTO

KOMOTO®

VALVES & CONTROLS
PRODUCT GUIDE





ISO 9001 • ISO 14001

001

API Spec Q1 Registered

SIL IEC 61508

KOREA MOTOYAMA INC.

2. Valve modeling index

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
AO	35	07	D	1	2	1	M	1	O

① Power source

AO : Air operate
EM : Electric motor
EH : Electric hydraulic
PR : Pressure regulator
MH : Manual hand wheel

② Actuator type

01 : Hand Lever
02 : Hand wheel
03 : Gear with wheel
04 : Hydraulic hand pump
05 : Other hand operator
12 : Pressure regulator actuator (Direct type)
16 : Linear spring return piston
17 : Linear double acting piston
18 : Pressure regulator actuator (Pilot type)
35 : Linear dia. actuator (reversible)
36 : heavy duty dia. actuator
37 : Diaphragm rotary actuator
38 : Rotary cylinder
21 : Electric motor (1 ph)
23 : Electric motor (3 ph)

③ Valve Body series

06 : Teflon block globe valve
07 : Standard globe (~#600) valve
Heavy duty globe (#900~) valve
11 : High performance butterfly valve
12 : Triple offset butterfly valve
13 : Damper butterfly valve
14 : Lined butterfly valve
20 : Angle valve (globe)
31 : 3 way globe valve
41 : Ball valve
43 : V-ball valve
45 : 3 way ball valve (mixing)
46 : 3 way ball valve (diverting)
51 : Non-lining diaphragm valve
52 : Lined diaphragm valve
61 : Discharge valve (glove)
62 : Discharge valve (ball)
63 : Plug valve
65 : Wedge gate valve
66 : Knife gate valve
900 : Angle Desuperheater
901 : Jacket Desuperheater

④ Symbol of action

D : Direct - air to close
Downstream Pressure control (PRV)
R : Reverse - air to open
Upstream Pressure control (PRV)
D : Double acting (cylinder)
S : Spring return (cylinder)

⑤ Trim type

1 : Unbalanced top guided contoured trim <SP>
2 : Balanced cage guided contoured trim <CS>
3 : Cage double trim <CD>
4 : Cage guided balanced trim <CB>
5 : Anti-cavitation trim <AC>
6 : Low-noise trim <LN>
7 : Cage pilot <CP>
8 : Ball, vane, plug <BV>
9 : Others

⑥ Rating

1 : 10K / 150#
2 : 20K / 300#
3 : 30K / 600#
4 : 63K / 900#
5 : 1500#
6 : 2500#
7 : 4500#

⑦ Body Material

1 : SCPH2 / A216WCB
2 : SCS13 / A351CF8
3 : SCS14 / A351CF8M
4 : SCS16 / A351CF3M
5 : SCS19 / A351CF3
6 : A217WC6
7 : A217WC9
8 : Etc

⑧ Seat type

M : Metal seat
S : Soft seat
E : Etc

⑨ Bonnet type

1 : Standard
2 : Extension
3 : Cryogenic
4 : Bellows

⑩ Optional

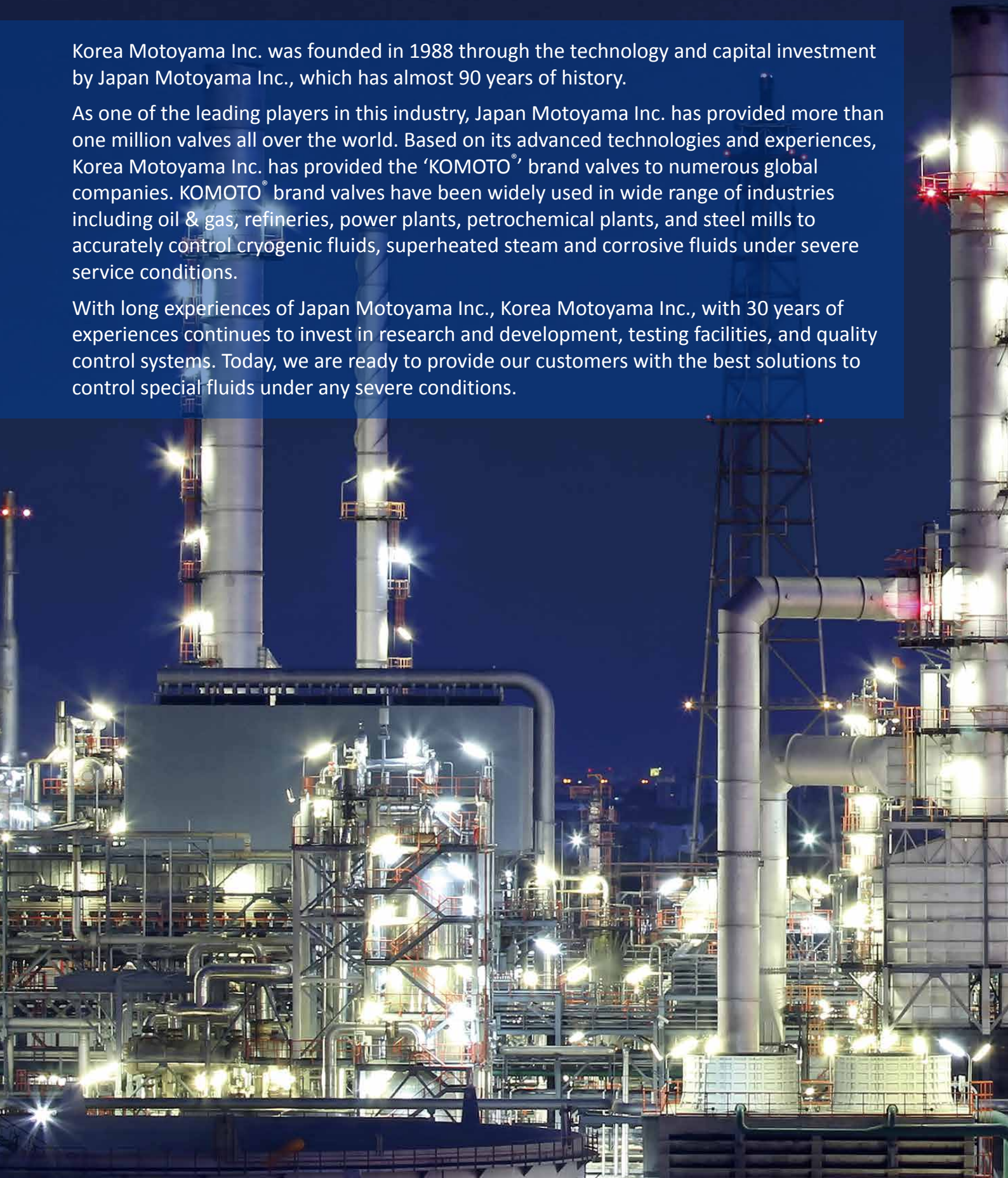
J : Semi-jacketed
F : Full jacketed
O : Others

Safe & Reliable Operation, Perfect Performance, Professional Technical Support, Easy Maintenance, Interchangeable Parts, Long Life

Korea Motoyama Inc. was founded in 1988 through the technology and capital investment by Japan Motoyama Inc., which has almost 90 years of history.

As one of the leading players in this industry, Japan Motoyama Inc. has provided more than one million valves all over the world. Based on its advanced technologies and experiences, Korea Motoyama Inc. has provided the 'KOMOTO®' brand valves to numerous global companies. KOMOTO® brand valves have been widely used in wide range of industries including oil & gas, refineries, power plants, petrochemical plants, and steel mills to accurately control cryogenic fluids, superheated steam and corrosive fluids under severe service conditions.

With long experiences of Japan Motoyama Inc., Korea Motoyama Inc., with 30 years of experiences continues to invest in research and development, testing facilities, and quality control systems. Today, we are ready to provide our customers with the best solutions to control special fluids under any severe conditions.



Features & Benefits of KOMOTO®

Rich experience - since 1927

Verified quality assurance system
Actual pilot plant testing in R&D center

LLOYD'S REGISTER · LRQA · ISO 9001 · ISO 14001 · UKAS MANAGEMENT SYSTEMS 001 · API Spec Q1 Registered · SIL IEC 61508 · CE · EAC

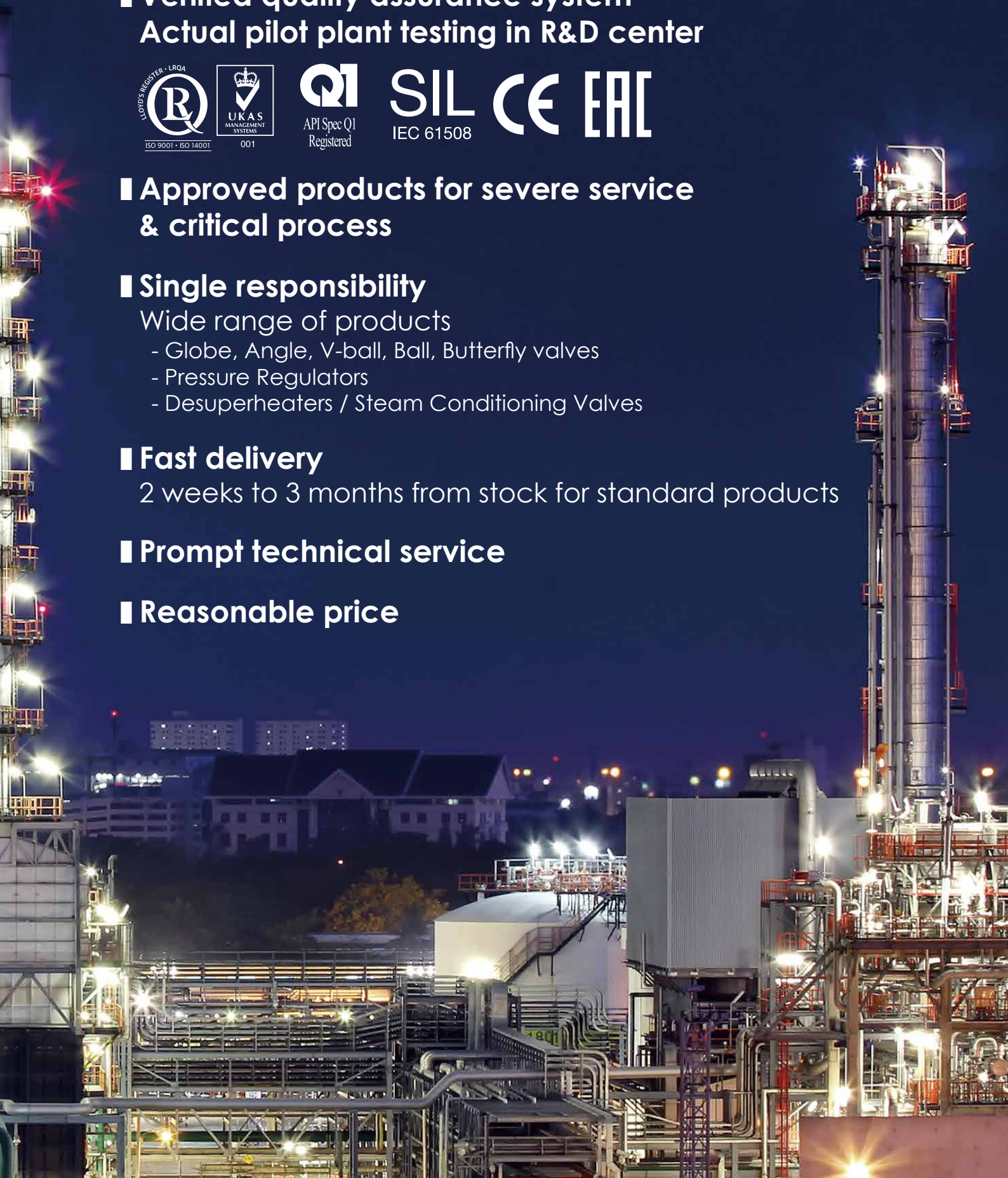
Approved products for severe service & critical process

Single responsibility
Wide range of products
- Globe, Angle, V-ball, Ball, Butterfly valves
- Pressure Regulators
- Desuperheaters / Steam Conditioning Valves

Fast delivery
2 weeks to 3 months from stock for standard products

Prompt technical service

Reasonable price

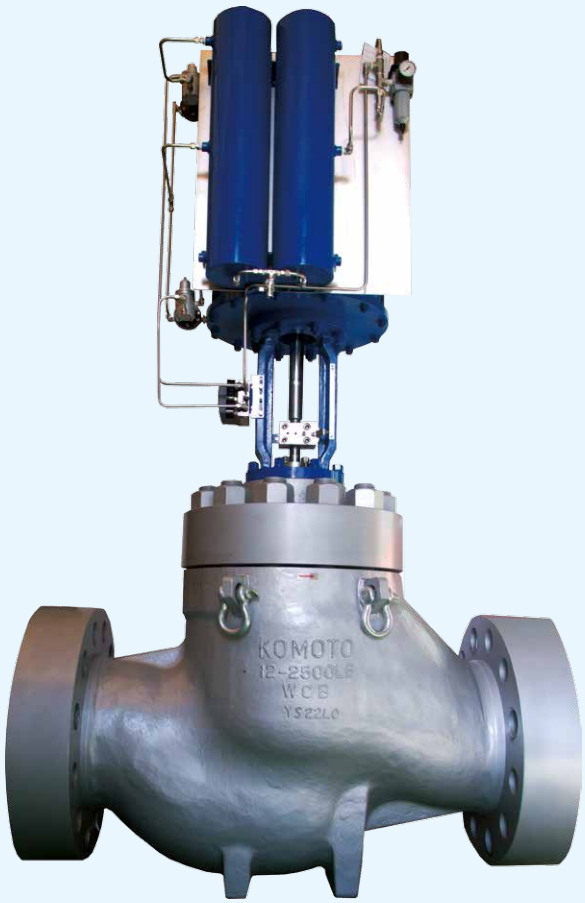


Globe valves

ANSI 150~2500 / JIS 10K~63K
DIN PN10~420

General

KOMOTO® Globe valves are the best solution for throttling service in oil, gas, petrochemical and other industrial purposes. It provides optimal solutions to control from general service fluids to corrosive, cryogenic, high temperatures fluids under severe service conditions containing erosion, corrosion and high pressure drops.



Performance

- High Cv to body size ratio, which allows for smaller and more cost effective valve size selection
- High Cv to valve weight ratio
- Optimized streamlined flow
- Excellent flow control rangeability

Design Flexibility

- Modular construction design
- All trim components are replaceable from the top for easy maintenance
- Wide range of supplementary cavitation & noise control options
- Inherently characterized trim offered in equal percentage, linear, quick opening and modified-parabolic. Multi trim sizes are available.
- Full range of body and trim material options
- Full range of bonnet and packing designs to suit various temperatures and fluids

Specifications

Valve Type		Globe Valve														
Valve Model		Series 07														
Valve Size	(in)	1/2	3/4	1	1.1/2	2	2.1/2	3	4	5	6	8	10	12	14	up to 36
	(mm)	15	20	25	40	50	65	80	100	125	150	200	250	300	350	up to 900
Pressure Rating		ANSI Class 150~2500 , JIS 10K~63K, DIN PN10~420														
End Connection		RF, FF, SW, BW, RTJ, etc														
Body Materials		Carbon steel, Stainless steel, Special alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)														
Bonnet Type		Plain, Extension, Cryogenic, Bellows Seal														
Trim Type		Balanced, Un-balanced, Anti-cavitation, Low-noise, Optional special trim														
Trim Materials		Stainless Steel, Special Alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)														
Plug Shapes		Contoured, Cage, Pilot														
Seat Type		Metal, Soft														
Characteristic		Equal Percentage, Linear, Modified, Quick Opening														
Rangeability		30:1, 50:1, 80:1, 100:1, 150:1														
Packing		Graphite, PTFE, VOC, etc														
Gasket		Spiral wounded metal gasket (Teflon, Graphite, Inconel, etc)														

Angle Valves

ANSI 150~2500 / JIS 10K~63K

DIN PN10~420

General

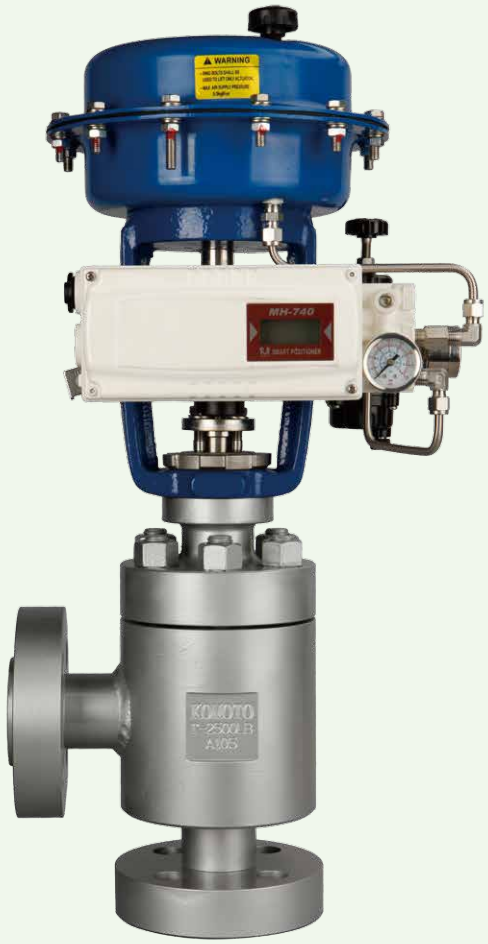
KOMOTO® angle valves are widely accepted for controlling fluid of high differential pressure, slurry, high viscosity, or adhesive. They are provided with a number of features such as low resistance of passage, anti-wear quality within the valve, and easy maintenance and inspection.

Performance

- High Cv to body size ratio
- High Cv to valve weight ratio
- Excellent flow control rangeability

Design Flexibility

- Modular construction design available with a range of different connections and styles
- All trim components removable from the top for easy maintenance
- Wide range of supplementary noise control options. Inherently characterized trim offered in equal percentage, linear, quick opening and modified-parabolic (options). Multi trim sizes available.
- Full range of body and trim material options
- Full range of bonnet and packing designs to suit various temperatures and fluids



Specifications

Valve Type		Angle Control Valve										
Valve Model		Series 20										
Valve Size	(in)	1/2	3/4	1	1.1/2	2	2.1/2	3	4	5	6	up to 24
	(mm)	15	20	25	40	50	65	80	100	125	150	up to 600
Pressure Rating		ANSI Class 150~2500 , JIS 10K~63K, DIN PN10~420										
End Connection		RF, FF, SW, BW, RTJ, etc										
Body Materials		Carbon steel, Stainless steel, Special alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)										
Bonnet Type		Plain, Extension, Cryogenic, Bellows Seal										
Trim Type		Balanced, Un-balanced, Anti-cavitation, Low-noise, Optional special trim										
Trim Materials		Stainless Steel, Special Alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)										
Plug Shapes		Contoured, Cage, Pilot										
Seat Type		Metal, Soft										
Characteristic		Equal Percentage, Linear, Modified, Quick Opening										
Packing		Graphite, PTFE, VOC, etc										
Gasket		Spiral wounded metal gasket (Teflon, Graphite, Inconel, etc)										

Mixing / Diverting 3-way valves

ANSI 150~600 / JIS 10K~40K

DIN PN10~100

General

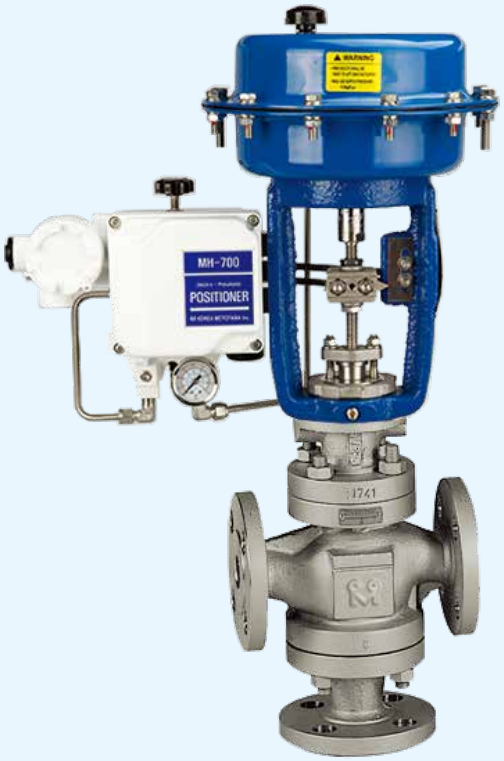
KOMOTO® three-way type control valves are used for controlling the fluids mutually to three directional pipings, i.e., mixing service or diverting service.

Performance

- High Cv to body size ratio
- High Cv to valve weight ratio
- Excellent flow control rangeability

Design Flexibility

- Modular construction design available with a range of different connections and styles
- All trims components removable from the top for easy maintenance
- Wide range of supplementary noise control options. Inherently characterized trim offered in equal percentage, linear, quick opening and modified-parabolic (options)
- Multi trim sizes available
- Full range of body and trim material options
- Fully rationalized and interchangeable features
- Full range of bonnet and packing designs to suit various temperatures and fluids



Specifications

Valve Type		Diaphragm Operated 3-way Control Valve													
Valve Model		Series 31, 32													
Valve Size	(in)	1/2	3/4	1	1-1/2	2	3	4	5	6	8	10	12	14	16
	(mm)	15	20	25	40	50	80	100	125	150	200	250	300	350	400
Pressure Rating		ANSI Class 150~600, JIS 10K~40K, DIN PN 10~100													
End Connection		RF, FF, SW, BW, RTJ, etc													
Body Materials		Carbon steel, Stainless steel, Special alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)													
Bonnet Type		Plain, Extension, Cryogenic, Bellows Seal													
Trim Materials		Stainless Steel, Special Alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)													
Plug Shapes		Contoured													
Seat Type		Metal, Soft													
Characteristic		Linear													
Packing		Graphite, PTFE, VOC, etc.													
Gasket		Spiral wounded metal gasket (Teflon, Graphite, Inconel, etc)													

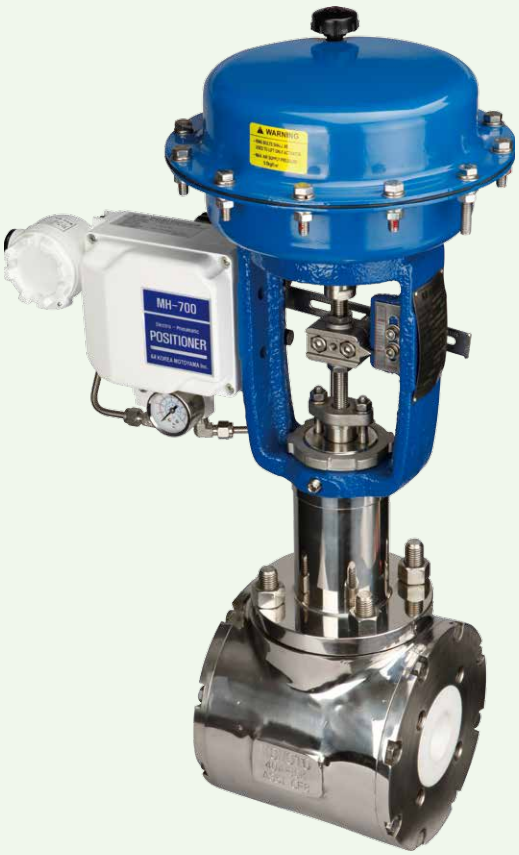
Teflon Block Valves

ANSI 150 / JIS 10K

DIN PN20

General

KOMOTO® Teflon block valves are designed to be used for chemical injection service and acid or alkaline fluid service.
This valve has very compact design assembled with multi-spring diaphragm actuator.



Performance

- Integral body construction – All the wetted parts of the valve body are made of PTFE and realized superior anti-corrosive valve for acid or alkaline service
- Main body is covered with stainless steel case providing high durability and long life
- Compact design
- Wide Cv range and controllability

Specifications

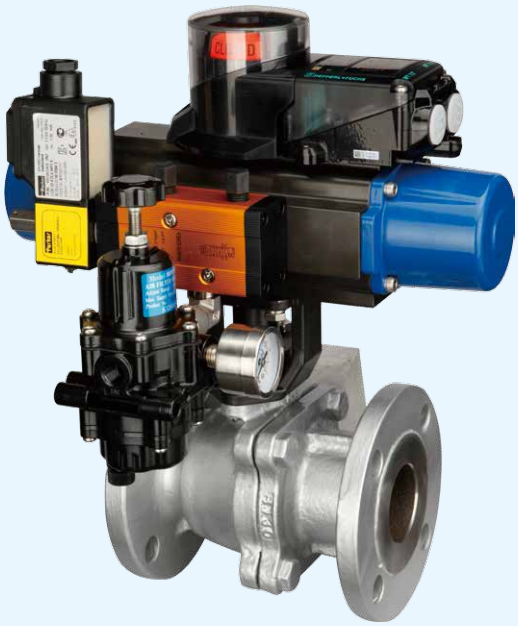
Valve Type		Teflon block valves					
Valve Model		Series 06					
Valve Size	(in)	1/2	3/4	1	1.1/2	2	
	(mm)	15	20	25	40	50	
Pressure Rating		ANSI Class 150, JIS 10K, DIN PN 20					
End Connection		FF					
Body Materials		Stainless Steel, PTFE					
Bonnet Type		Bellows Seal					
Packing		PTFE, gasket - PTFE					
Seat Type		Soft					
Valve Plug Shapes		Contoured type					
Plug Characteristic		Equal percentage, Linear, Quick opening					
Trim Materials		316LSS with PTFE coating, HASTELLOY-B/C, etc.					

Ball valves

ANSI 150~2500 / JIS 10K~63K
DIN PN10~420

General

KOMOTO® ball valves have been developed for wide range of process industry applications.
KOMOTO® ball valves comply with API standard that incorporate many special features. This series of valves is designed for both pressure and vacuum service.



Standard Specifications

- Flanged end, 2-pcs split body construction, top entry available
- Fields serviceable, wrench/gear/actuator mounted
- Test Pressure: As per API 6D Std
- Face to Face Dimension: as per API 6D Std

End Connections

Flanged, conforming to ANSI B 16.5. The ball valves comply with one or more of the following standard specifications as to pressure, temperature ratings and dimensions: ANSI, API, BS, DIN, MSS

Specifications

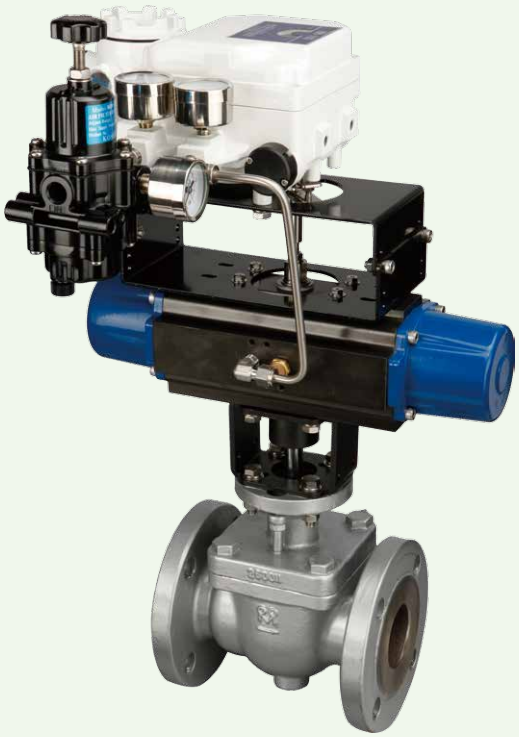
Valve Type		Cylinder Operated Ball Valve																
Valve Model		Series 41																
Body Type		2-way, 3-way, 4-way																
Valve Size	(in)	1/2	3/4	1	1-1/2	2	3	4	5	6	8	10	12	14	16	18	20	24
	(mm)	15	20	25	40	50	80	100	125	150	200	250	300	350	400	450	500	600
Pressure Rating		ANSI Class 150~2500, JIS 10K~63K, DIN PN 10~420																
End Connection		RF, FF, SW, BW, RTJ, etc																
Body Materials		Carbon steel, Stainless steel, Special alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)																
Bonnet Type		Plain, Extension, Cryogenic, etc.																
Trim Materials		Stainless Steel, Special Alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)																
Seat Type		Metal, Soft																
Valve Plug Shapes		Ball																
Plug Characteristic		On-off, Inherent																

V-Notch Ball Valves

ANSI 150~600 / JIS 10K~40K
DIN PN10~100

General

ANYCON® V-notch ball valves are Top Entry, Full Bore, Trunnion, and stem ball type, which are exclusively designed for excellent proportional control. ANYCON® has special shape of ball which is suitable for accurate throttling control and on-off service not only general fluids but also critical conditions in powders, slurry, gummy, fibrous material and other fluids with special characteristics.



Performance

- High Cv body size ratio (Full bore)
- Controls through 90° rotation
- Excellent control range ability
- Easy maintenance
- ISO standard Mounting

Design Flexibility

- Direct mounting actuator design flexibility
- Control any fluids
- Full range of body and vane material options with availability of hard facings
- Seat changeability
- Equal or Linear characteristics available
- Self-cleaning and tight seating
- Double-eccentric disc options

Specifications

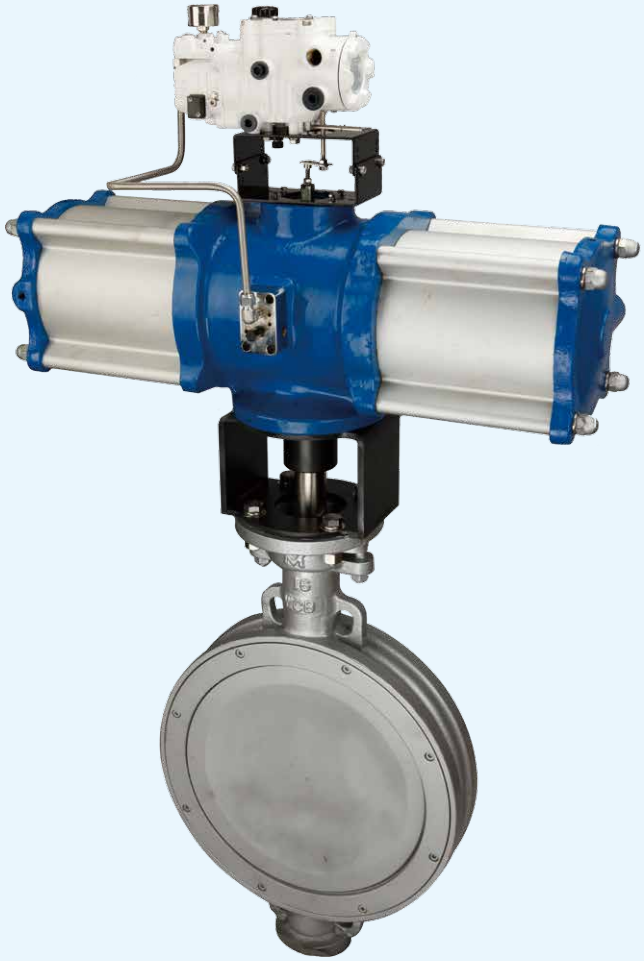
Valve Type		V-notch ball valve														
Valve Model		Series 43														
Valve Size	(in)	1/2	3/4	1	1.1/2	2	2.1/2	3	4	5	6	8	10	12	14	16
	(mm)	15	20	25	40	50	65	80	100	125	150	200	250	300	350	400
Pressure Rating		ANSI Class 150~600, JIS 10K~40K, DIN PN 10~100														
End Connection		RF, FF, SW, BW, RTJ, etc														
Body Materials		Carbon steel, Stainless steel, Special alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)														
Bonnet Type		Plain, Extension, Cryogenic, etc.														
Trim Materials		Stainless Steel, Special Alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)														
Seat Type		Metal, Soft														
Valve Plug Shapes		V-port														
Plug Characteristic		Equal Percentage/Linear														

Butterfly Valves

ANSI Class 150~900 / JIS 10K~63K
DIN PN 10~150

General

KOMOTO® butterfly valves have been developed for a large number of applications throughout process industries.
KOMOTO® high performance butterfly valves are mainly used for isolation or on-off applications but also suitable for control, especially on high-flow, low-pressure applications. It offers additional advantages such as simple structure and low cost.



Performance

- High Cv to valve weight ratio compared to conventional control valves
- Throttling controls 60° rotation, on-off controls 90° rotation
- Excellent flow control range ability

Design Flexibility

- Triple-offset design
- Metal / Laminated / Soft seat available
- Actuator mounting flange dimensions in accordance with ISO 5211
- Swing through and tight shut-off seated trim design.
- Flange types are available
- Full range of bonnet and packing design to suit various temperatures and fluids
- Provides fire safe sealing, which combines a soft seal ring and metal seal ring.
- Full range of body and vane material options. Hard facing available

Specifications

Valve Type		Butterfly Valve												
Valve Model		Series 10												
Body Type		High Performance / Damper / Teflon Lined / Rubber Lined												
Valve Size	(in)	3	4	5	6	8	10	12	14	16	18	20	24	up to 64
	(mm)	80	100	120	150	200	250	300	350	400	450	500	600	up to 1600
Pressure Rating		ANSI Class 150~900, JIS 10K~63K, DIN PN 10~150												
End Connection		WF, RF, FF, etc												
Body Materials		Carbon steel, Stainless steel, Special alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)												
Bonnet Type		Plain, Extension, Cryogenic												
Disc Shape		VANE												
Trim Materials		Stainless Steel, Special Alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)												
Seat Type		Metal, Laminated, Soft												
Characteristic		Inherent												
Packing		Graphite, PTFE, VOC, etc.												
Gasket		Graphite, PTFE												

Tank Bottom Flush Valves

ANSI Class 150~300 / JIS 10K~20K

DIN PN 10~50

General

KOMOTO® Tank bottom flush valves are designed for the convenient and fast draining of tanks (with or without steam jackets).

Performance

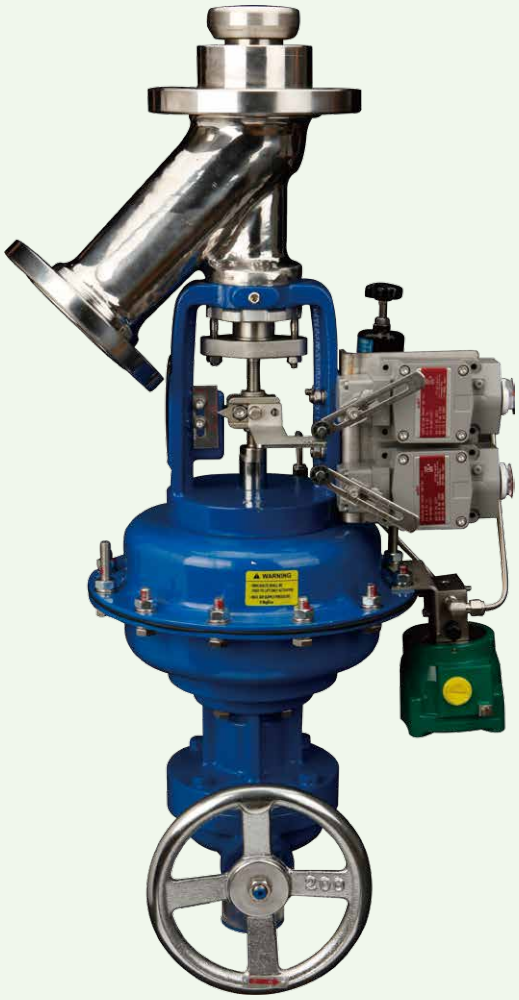
- Fast draining
- No pocket or dead area in the body

Design Flexibility

- The valves are made in stainless steel, nickel alloys, carbon steel, etc.
- The valve can be fabricated with steam jackets
- Cleaning connection and plug are available (option)
- Quick-opening disc (standard) equal percentage or linear (option)

Design Integrity

- Valve size are determined by outlet flange
- The outlet connection line is at approximately 45° to the center line of the valve
- Large stem diameter



Specifications

Valve Type		Tank bottom flush valve									
Valve Model		Series 61									
Valve Size	(in)	3/4	1	1.1/2	2	2.1/2	3	4	6	8	10
	(mm)	20	25	40	50	65	80	100	150	200	250
Pressure Rating		ANSI Class150~300, JIS10K~20K, PN10~50									
End Connection		RF, FF, etc.									
Body Materials		Carbon steel, Stainless steel, Special alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)									
Bonnet Type		Plain									
Trim Materials		Stainless Steel, Special Alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)									
Valve Plug Shapes		Contoured type									
Seat Type		Metal, Soft									
Plug Characteristic		QUICK OPENING (OPTION : EQ%, LINEAR)									
Packing		Graphite, PTFE, VOC, etc.									
Gasket		Spiral wounded metal gasket (Teflon, Graphite, Inconel, etc)									

Pressure Regulating Valves

ANSI Class 150~2500 /JIS 10K~63K

DIN PN 10~420

General

KOMOTO® pressure regulating valves are designed for controlling pressure of liquid s& gases in various industrial applications.

Performance

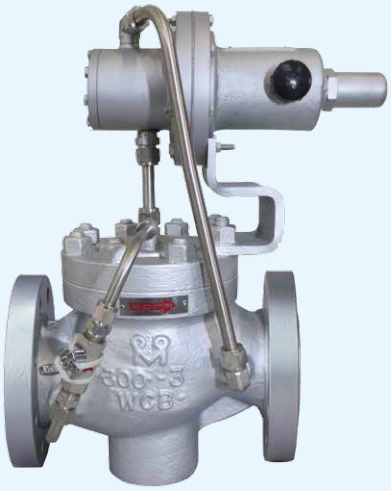
- Direct operated / Pilot operated
- Easy setting / Fast action
- Low cost maintenance

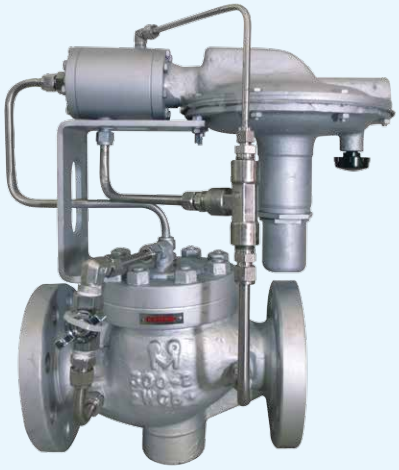
Design Flexibility

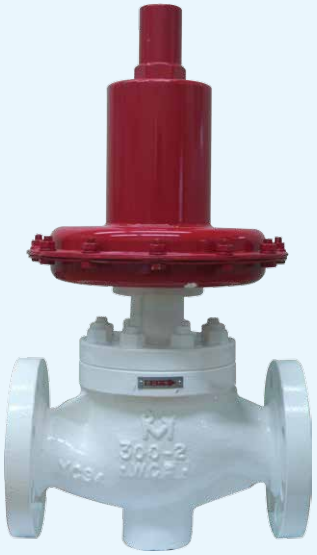
- Wide spring selection range
- Various types of pressure regulating valves for liquids & gases

Specification

- Pressure reducing type (P2 control)
- Back pressure/Relief type (P1 control)
- Tank blanketing type







Specifications

Valve Type		Pressure regulating valve											
Valve Model		Series PR1207, 1607, 1807											
Valve Size	(in)	1/2	3/4	1	1.1/2	2	2.1/2	3	4	6	8	10	12
	(mm)	15	20	25	40	50	65	80	100	150	200	250	300
Pressure Rating		ANSI Class 150~2500, JIS 10K~63K, DIN PN 10~420											
End Connection		RF, FF, etc.											
Body Materials		Carbon steel, Stainless steel, Special alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)											
Bonnet Type		Plain											
Trim Materials		Stainless Steel, Special Alloys(Hastelloy-B/C, Monel, Inconel, Duplex, etc)											
Seat Type		Metal, Soft											
Actuator		Direct , Pilot											
Plug Characteristic		QUICK OPENING (OPTION : EQ%, LINEAR)											
Gasket		Spiral wounded metal gasket (Teflon, Graphite, Inconel, etc)											

Desuperheaters

General

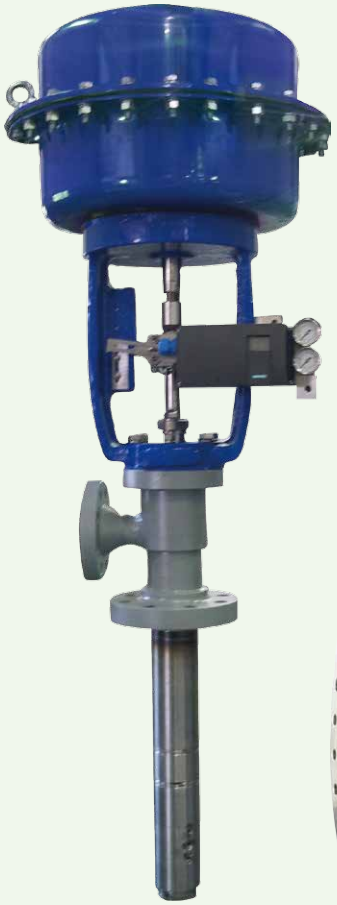
KOMOTO® desuperheaters are designed to control steam temperature precisely and economically. KOMOTO's desuperheaters can optimize steam temperature, which can save fuel and in turn save investment cost.

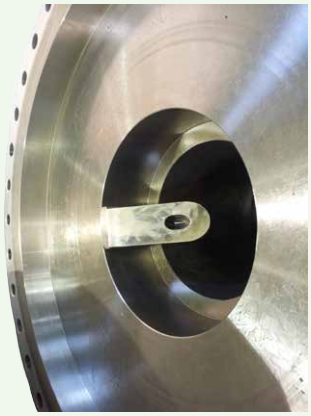
Specifications

- Venture style, fixed nozzle type, variable multiple nozzle type, steam conditioning type are available
- Easy Installation & compact design
- Excellent spray quality
- Large control range
- Long life

Design Flexibility

- Tailor made design for each process.
  (No restriction for water or steam side flange)
- Carbon steel, Stainless Steel, Alloy steel materials are available





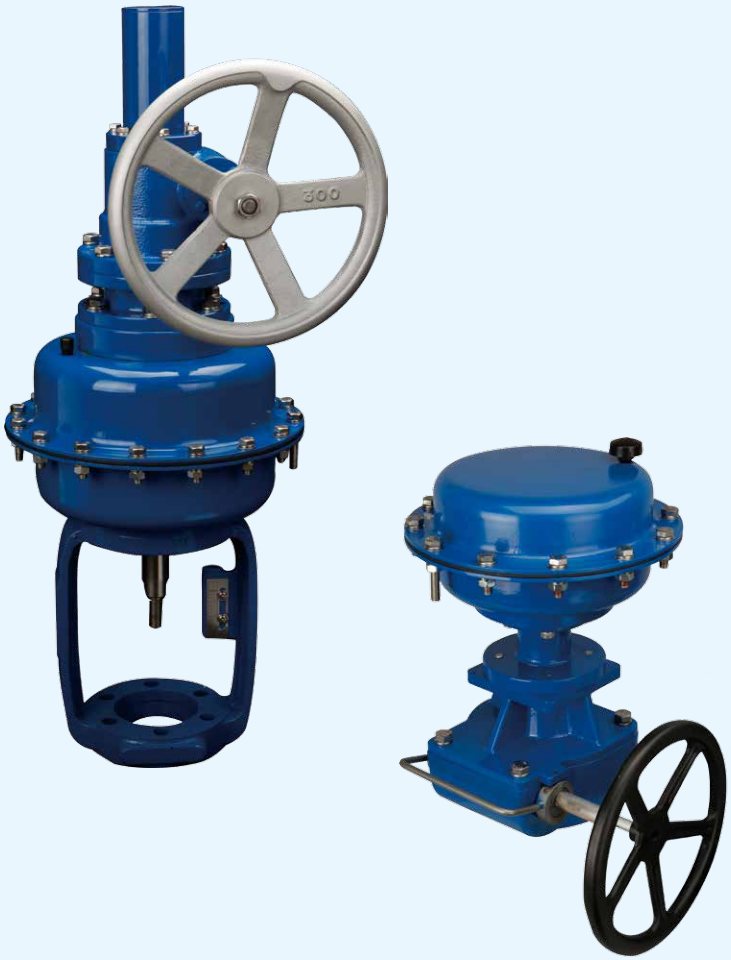
Multi-spring Diaphragm Actuators

General

KOMOTO® multi-spring diaphragm actuators are designed to control the flow, level and the pressure of fluid to respond to demand for fine process control and various plant systems. The 3600 actuators will satisfy customer's needs with its high reliability, durability and performance.

Specifications

- Easy maintenance – Easy to assemble and disassemble. Reduce the maintenance cost by simplified the design of components
- Good performance – Provide the maximum strength and reliable high performance
- Field reversible – Actuator air action can be changed in the field for increased flexibility and reduced inventory
- Flexibility – Wide selection of optional accessories available including override
- Compact design – More compact and lighter than other existing actuators. Designed for easy installation and convenient maintenance on site
- Multiple spring design – Available to insert three springs to six springs maximum. Suitable for various working pressure from low to high instrument air pressure
- Separate hand wheel – Adapting independent spindle, it does not damage the connected parts between handle spindle and worm gear



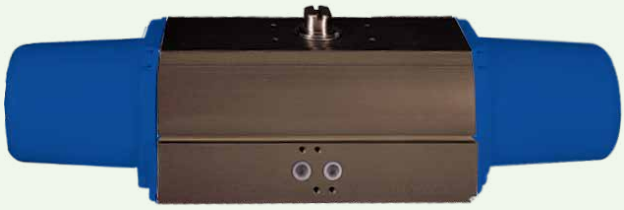
Specifications

Actuator Type	Multi spring diaphragm actuator							
Actuator Model	Series 3600							
Actuator Size (Model)	T-1	T-2	T-3	T-3	T-4	T-4	T-5	T-5
Stroke (mm)	20	25	38	50	50	100	100	130
Min. Air supply Pressure	Standard : 4.0 kgf/cm^{2}G, Optional: 3.0kgf/cm^{2}G							
Spring Range	1.0~3.0 kgf/cm^{2}G, Optional: 0.4~2.0kgf/cm^{2}G							
Body Materials	Steel Plate							
Diaphragm Materials	EPDM							
Movement	Reciprocate / Rotary (with rotary box)							
Handwheel	Top side (Optional declutchable side handwheel)							

Rotary Cylinder Actuators

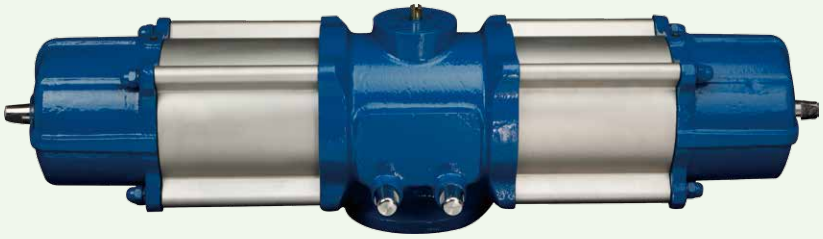
General

KOMOTO® Rotary cylinder actuators are designed to operate rotary valves such as ball valves, butterfly valves and plug valves for throttling or on-off service.
KOMOTO® Rotary cylinder actuators have unique canted scotch-yoke mechanism.



Specifications

- Ideal high torque
- Reliability
- Low hysteresis
- Light weight
- Easy maintenance

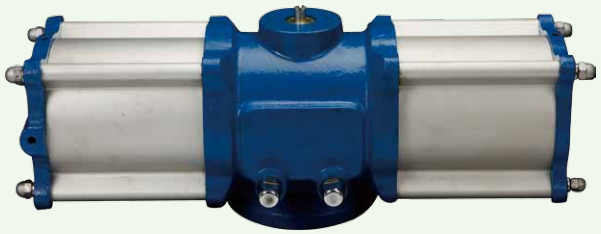


Design Flexibility

- Double acting and spring return
- Double piston
- Wide selection of optional accessories available
- Wide adjustable range (Maximum rotation angle -100°)
- Manual overrides are option (declutch handwheel)

Design Integrity

- Over stroke (-5~95 degrees) for all rotary valves
- Mounting flange dimensions in accordance with ISO 5211
- Solenoid valve pad in accordance with "NAMUR"



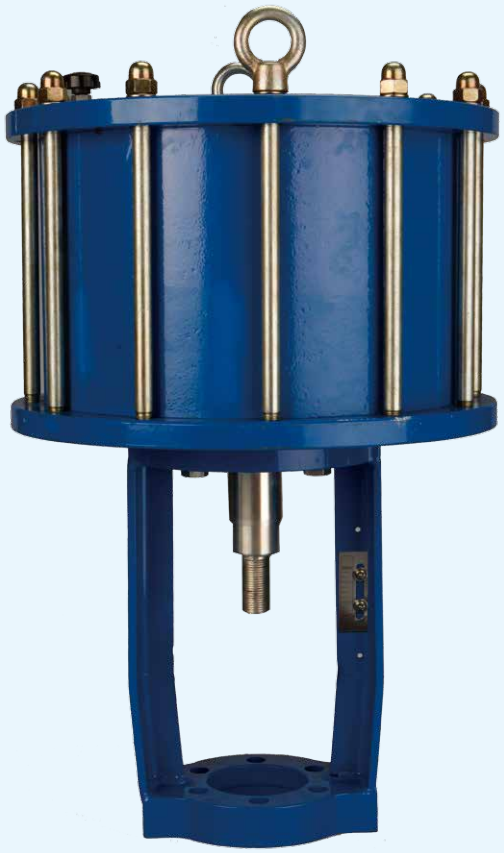
Specifications

Actuator Type	Rotary Cylinder Actuator (Double acting / Spring return)										
Actuator Model	Series 3800										
ACtuator Size (Model)	AC05	AC06	AC08	AC10	AC12	AC14	AC16	AC20	AC25	AC30	up to AC80
Min. Air supply Pressure	Standard : 5.0kgf/cm^{2}G										
Spring Range	2.0~3.0 kgf/cm^{2}G										
Body Materials	Ductile Iron / Carbon Steel / Anodizing Aluminum										
Movement	Rotary (Canted Scotch yoke)										

Linear Piston Actuators

General

KOMOTO® linear piston actuators are designed to operate sliding-disc valves, such as wedge gate valves, knife gate valves and parallel slide valves. This actuator is compact and has a long stroke and high thrust.



Performance

- Long stroke (maximum 600mm)
- High thrust
- Good Reliability
- Low hysteresis
- Light weight
- Easy maintenance

Design Flexibility

- Double acting and spring return
- Single piston. Tandem pistons are option
- Wide selection of accessories are available

Specifications

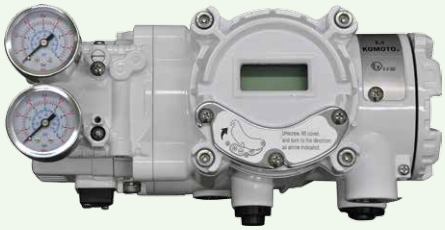
Actuator Type	Linear Piston Actuator (Double acting / Spring return)							
Actuator Model	Series 1700 / Series 1600							
ACtuator Size (Model)	AC14	AC16	AC20	AC25	AC30	AC40	AC50	AC80
Min. Air supply Pressure	Standard : 5.0 kgf/cm^{2}G							
Spring Range	2.0~3.0 kgf/cm^{2}G							
Body Materials	Carbon Steel							
Movement	Reciprocate							

Accessories

Positioners

Available specifications

- Type: E/P, P/P, Smart
- Actuator type: Linear, Rotary
- Communication: 4-20mA, Hart, Fieldbus, Profibus
- Enclosure: IP66
- Explosion proof type: ExiaIICT6, ExdIICT6/T5, etc.
- Material: Aluminum die-casting, Stainless steel
- KOMOTO® (MH series) or other global brands



MH-750

MH-740

MH-700

Air filter regulators

Available specifications

- Material: Aluminum die-casting, Stainless steel
- Connection: PT, NPT
- High ambient temperature option (100°C) available.
- KOMOTO® (MR series) or other global brands

MR-5000R

Other accessories

KOMOTO® valves are compatible with wide range of accessories of other global brands.

Other types, models, or brands of accessories can be mounted on KOMOTO® valves, if required.

MEMO

MEMO

Warranty / Remedy

Korea Motoyama Inc. warrants goods of its manufacture as being free of defective materials and faulty workmanship for 12 months from the date of shipment, unless otherwise specified. In this period, all of our products claimed by original defects may be returned to our factory after notice and authorization by us. If warranted goods are returned to Korea Motoyama Inc. during the period of coverage, it will be repaired or replaced without charge for those items it finds defective. Such defects shall be exclusive of the effects of corrosion, erosion, normal wear or improper handling and storage. In case our engineers have field service, the user shall detach and install valves by his cost. Determination of the suitability of the Products for the use contemplated by the buyer or buyer's customer(s) is the sole responsibility of the buyer in connection therewith. The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose.

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Specifications are subject to change without notice.