



CONTROL VALVES

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Innovative Solutions

Get Consistent Quality

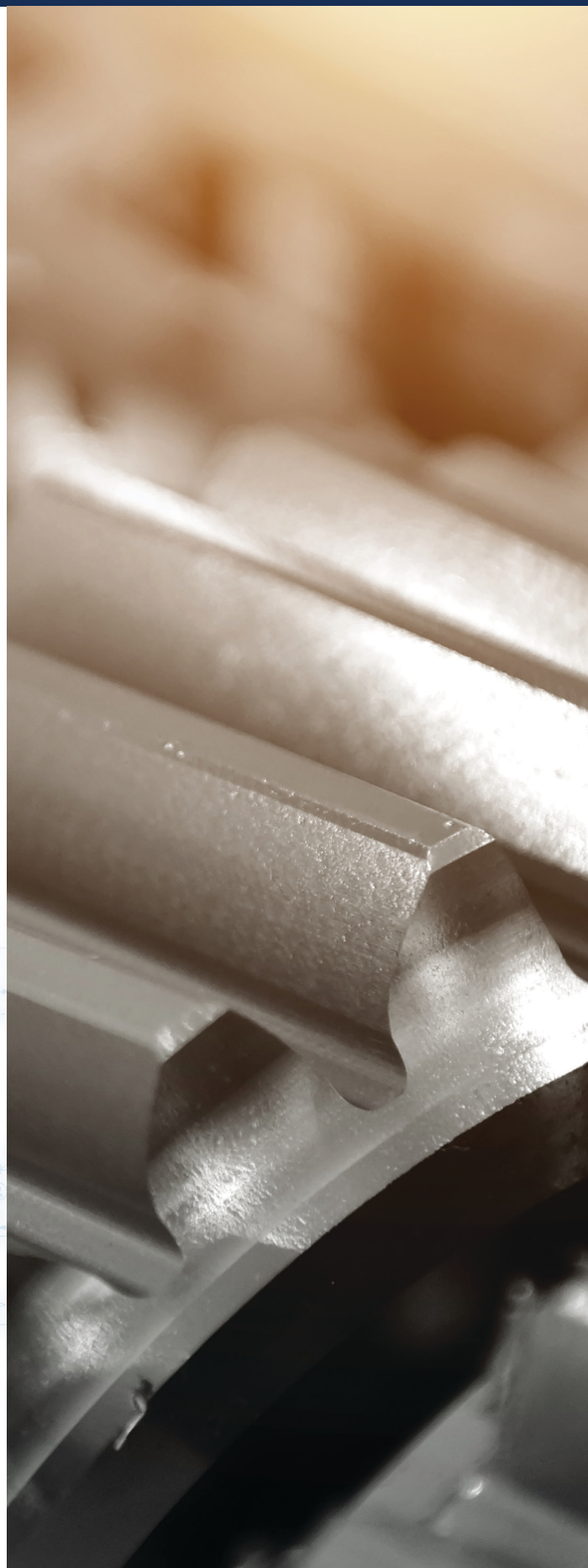
By involving every employee in our ISO 9001:2008 Quality Assurance Program, you can count on the quality we provide you. We have coordinated our business systems, invested in state-of-the-art machine tools, and built an extensive component inventory so we can consistently provide cost-effective solutions and on-time delivery to meet your replacement or project requirements — regardless of size or complexity.

Make the Right Choice

"We simply make it right" by putting your needs first. The next time you specify control valves, regulators or vapor control emission systems, or you need a replacement fast...call the supplier that makes it right. Rely on Cashco for your single-source convenience. Great service, field-proven quality, and timely delivery makes Cashco the right choice.

Select Control Valves & Regulators FOR SPECIALIZED OR UTILITY SERVICE

We manufacture a broad line of throttling rotary and linear control valves, pressure reducing regulators, and back pressure regulators in line sizes from 1/4 inch to 10 inches and Cv ranges from .002 to 4,406. Models are available to handle slurries, cryogenic service, and corrosive fluids; to withstand high temperatures and pressures; and to maximize the reduction of fugitive emissions. Contact Cashco for complete product information.



WE ARE CASHCO

The Strength Of Our Organization Is Our Employees

COMMITMENT. QUALITY. DEDICATION.

Cashco, Inc. is a manufacturing enterprise, centrally located within the United States. Our employees use hard work, commitment, and passion to define company goals that deliver world-class products at a fair price.

At Cashco, we continue to innovate our products until they are recognized as best in class within their respective industry. If the customer is not satisfied, we take it upon ourselves to make it right. Cashco employees are the bloodline of our company elevating products above industry standards for performance, dependability, and safety.

At Cashco, the strength of our organization is our employees.

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MODEL // 2296/2296HF

The Model 2296/2296HF is one of the most versatile and economical control valves on the market. This globe style control valve is offered in stainless steel or bronze and is available with pneumatic or rotork electric actuators. The Model 2296/2296HF offers Quick-Change Trim, cryogenic capabilities, equal or linear trim characteristic, and 316 or 316L SST internals.



**VIEW IN
3D!**



LINE SIZES AVAILABLE

1/2" (DN15)	3/4" (DN20)	1" (DN25)	1.5" (DN40)	2" (DN50)
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END CONNECTIONS

FNPT	EXTENDED NIPPLES	FLANGED
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COMMON APPLICATIONS

AIR, GASES, OILS, WATER, OXYGEN, STEAM,
MANY CORROSIVE PROCESS FLUIDS



DESIGN PRESSURE

MAXIMUM ALLOWABLE WORKING
PRESSURE: UP TO 1625 psig (112 Barg)

*The Model
2296 is a small
control valve
with cryogenic
capabilities suitable
for skid builders.*

CV RANGE:

From 3.5 to 44

TEMPERATURE RANGE:

-20° F to +400° F
-425° F to +400° F cryo

MATERIALS:

Body - 316L SST, BRZ
Trim - SST
Seat - SST, TFE

SEAT LEAKAGE:

Class IV or Class VI

MODEL // 964

The Model 964 is a globe-style pneumatic control valve for general plant utility services. It is field-reversible, without removal from the line. This “workhorse” valve offers equal-percentage quick-change cage-type trim and can handle steam, industrial gases, air, water, and oil applications. This is a versatile, low cost valve available in iron and carbon steel.



**VIEW IN
3D!**



LINE SIZES AVAILABLE

1/2"
(DN15)

3/4"
(DN20)

1"
(DN25)

1.5"
(DN40)

2"
(DN50)

3"
(DN80)



END CONNECTIONS

FNPT

FLANGED

**SOCKET
WELD**



COMMON APPLICATIONS

**AIR, WATER, INDUSTRIAL GASES,
STEAM**



DESIGN PRESSURE

BETWEEN 80 - 740 psig (5.5 - 51.1 Barg)

The Model 964 is a versatile, low cost valve available in iron and steel.

CV RANGE:

From 4 to 90

TEMPERATURE RANGE:

-20° F to +450° F

MATERIALS:

Body – DI, CS

Trim – SST

Seat – Metal, TFE

SEAT LEAKAGE:

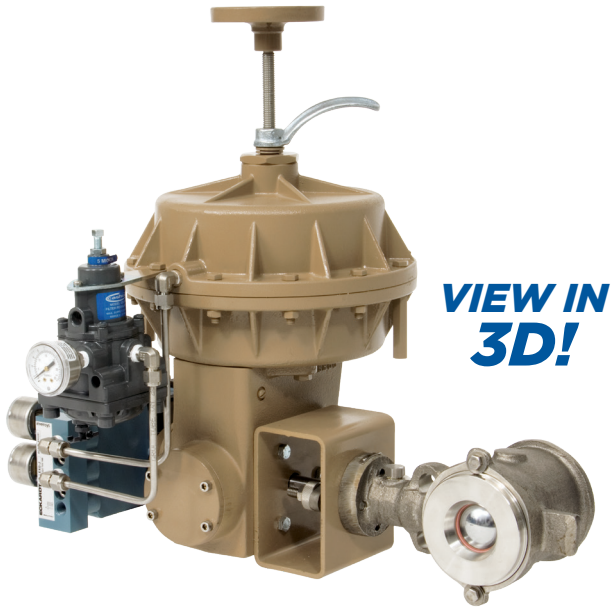
Class IV or Class VI

RANGER // QCT

The Ranger QCT is a control valve with a pneumatic spring-diaphragm actuator. It can be supplied with either a flanged or flangeless body style.

This rotary design provides excellent service life in a wide range of applications. Its most unique design feature centers around its Quick Change Trim - QCT. This concept provides front access to the valve body, allowing use of various lo-noise inserts, abrasion sleeve or alternate front-end seal retainers. Also, combinations of these features can be utilized to meet specific application needs.

The Ranger is the most user friendly control valve in the marketplace when it comes to maintenance. It takes a mere five minutes to change trim when out of the pipeline and requires no recalibration.



LINE SIZES AVAILABLE

1" (DN25)	1.5" (DN40)	2" (DN50)	3" (DN80)	4" (DN100)	6" (DN150)	8" (DN200)
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END CONNECTIONS

FLANGED	FLANGELESS
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COMMON APPLICATIONS

STEAM, GASEOUS SERVICE, CAVITATION & FLASHING CONTROL FOR LIQUID SERVICE



DESIGN PRESSURE

MAXIMUM PRESSURE:
UP TO 1480 psig (102.1 Barg)

The only **Rotary Control Valve** on the market that can remove trim without pulling the positioner actuator stem.

CV RANGE:

From 3.1 - 1260

TEMPERATURE RANGE:

-325° F to +750° F

MATERIALS:

Body - DI, CS, SST, HC
Trim - Inconel X-750/625 metal seals, TFE soft seal
Remaining parts - SST,
10 trim combinations to select from

SEAT LEAKAGE:

ANSI/FCI 70-2
Class VI with TFE
Class IV above 500°F or
without TFE

MODEL // 521

The Model 521 Globe-Style Control Valve with sliding stem, bellows sealed, pneumatically actuated valves designed to achieve the ultimate in long-term corrosive chemical service.

Our exclusive unibody forged-TFE construction is unique in the industry and can handle even absolute vacuum applications. The one-piece body is machined from a solid block of isostatically compacted virgin TFE and encased in a cast 304 SST body shell to prevent distortion.

Construction includes a 100,000-cycle TFE bellows, quick change trim, replaceable plug, and dual stem seal design to minimize emissions. This valve can handle strong acids and bases, most organics and industrial reagents.



**VIEW IN
3D!**



LINE SIZES AVAILABLE

1/2"
(DN15)

1"
(DN25)

1.5"
(DN40)

2"
(DN50)



END CONNECTIONS

FLANGED



COMMON APPLICATIONS

CHLORINE (WET OR DRY), BROMINE,
HYDROCHLORIC, SULFURIC, NITRIC,
HYDROFLUORIC ACIDS



DESIGN PRESSURE

MAXIMUM PRESSURE:
UP TO 275 psig (19.0 Barg)

The Model 521 with dense TFE walls is capable of vacuum service, with max corrosion protection while minimizing permeation.

CV RANGE:

From 0.10 to 40

TEMPERATURE RANGE:

0° F to +310° F

MATERIALS:

Isostatically compacted
TFE in SST body shell

SEAT LEAKAGE:

Class VI

MODEL // 988/989

Models 988 and 989 are globe-style control valves with a pneumatic spring-return actuator. Originally designed for chemical plants and corrosive service, they have large diameter stems, special finishes on the stem and packing boxes, close-coupled guiding, and live-loaded packing systems. Rugged construction, longevity, and low maintenance make these valves a popular choice in industrial process applications. The main difference between the 988 and 989 are in the face-to-face dimensions.



**VIEW IN
3D!**



LINE SIZES AVAILABLE

3/4" (DN20)	1" (DN25)	1.5" (DN40)	2" (DN50)
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END CONNECTIONS

FNPT	FLANGED	SOCKET WELD
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COMMON APPLICATIONS

STEAM, AIR, OIL, WATER,
INDUSTRIAL GASES



DESIGN PRESSURE

988 - MAX INLET: UP TO 1480 psig (102 Barg)
MAX PRESSURE DROP: 1480 psig (102 Barg)

989 - MAX INLET: UP TO 740 psig (51 Barg)
MAX PRESSURE DROP: 740 psig (51 Barg)

*The Models **988** and **989** are versatile, heavy-duty throttling valves for general or corrosive chemical service.*

CV RANGE:

From 0.25 to 50

TEMPERATURE RANGE:

-20° F to +750° F

MATERIALS:

Body - CS, 316L SST, Ni-Mo-Cr,
CW-12MW (988 only)

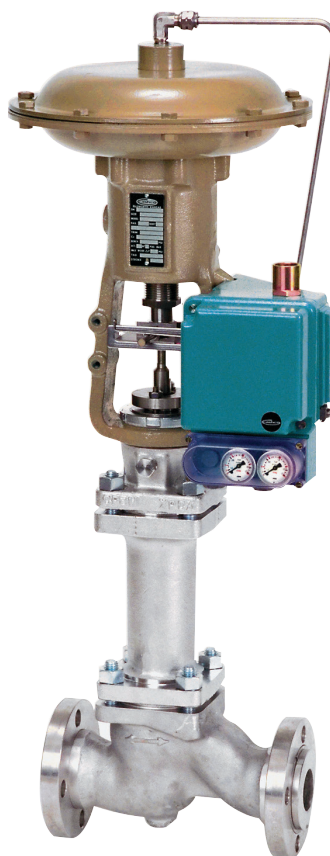
Trim - 316L SST, HC-22

SEAT LEAKAGE:

Class IV or Class VI

MODEL // 988-MB

Model 988-MB is a modified version of our Model 988 designed to handle hazardous fluids. To minimize fugitive emissions, it is fitted with a metallic bellows stem seal subassembly and live-loaded secondary stem packing seal. Inlet pressure is from full vacuum to 200 psig. This model protects against fugitive emissions.



**VIEW IN
3D!**



LINE SIZES AVAILABLE

3/4"
(DN20)

1"
(DN25)

1.5"
(DN40)

2"
(DN50)



END CONNECTIONS

FNPT

FLANGED

**SOCKET
WELD**



COMMON APPLICATIONS

FLUIDS THAT ARE CLASSIFIED AS "ENVIRONMENTALLY HAZARDOUS", BUT ARE NOT "AGGRESSIVELY CORROSIVE" TO THE BELLOWS MATERIAL



DESIGN PRESSURE

INLET & MAXIMUM PRESSURE DROP:
UP TO 200 psig (13.8 Barg)

*The Model
988-MB is a heavy
duty control valve
with maximum
protection against
leakage.*

MATERIALS:

Body - CS, 316L SST,
Ni-Mo-Cr

Trim - 316L SST, HC-22

TEMPERATURE RANGE:

-20° F to +450° F

SEAT LEAKAGE:

Class IV or Class VI

MODEL // 987

The Model 987 precision globe-style “chemical valve” is the valve of choice to handle hostile fluids and environments – as well as steam and water. Its corrosion-resistant, field-reversible actuator, alloy body and trim materials, high pressure-drop capability, and exceptionally low Cv rangeability make the Model 987 one of the most reliable and versatile valves in the chemical process industry. This valve is for exceptional low Cv rangeability plus high pressure capability.



VIEW IN
3D!



LINE SIZES AVAILABLE

1/2" (DN15)	3/4" (DN20)	1" (DN25)
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END CONNECTIONS

FNPT	EXTENDED NIPPLES	FLANGED	FLANGLESS
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COMMON APPLICATIONS

AIR, GASES, OILS, WATER, OXYGEN, STEAM,
MANY CORROSIVE PROCESS FLUIDS



DESIGN PRESSURE

MAXIMUM INLET: UP TO 1440 psig (99.3 Barg)

The Model
987 control valve
offers precision
control for chemical
processes.

CV RANGE:

Metal seat from 0.276 to 6.95
TFE seat from 2.60 to 6.70

TEMPERATURE RANGE:

-20°F to +450°F (-29°C to
+232°C)

MATERIALS:

Body & Trim – 316 L SST,
Hastelloy C-22, and similar
alloys

SEAT LEAKAGE:

Class IV or Class VI

MODEL // **SCV-S**

The Model SCV-S is a throttling, pneumatically actuated control valve. This design provides a geometrically characterized plug for superior throttling dynamics, plus the unit's ease of cleanability and maintenance meet the requirements of sanitary control valves.



**VIEW IN
3D!**



LINE SIZES AVAILABLE

3/4"
(DN20)

1"
(DN25)

1.5"
(DN40)



END CONNECTIONS

**BUTT
WELD**

TRI-CLAMP



COMMON APPLICATIONS

PHARMACEUTICAL, BIOTECHNICAL, HEALTH CARE, PROCESSED FOOD, COSMETICS, BATCHING TANKS, COOKERS, DRYERS



DESIGN PRESSURE

OPERATING PRESSURE RANGE:

FULL VACUUM TO +150 psig (+10.3 Barg)



CV RANGE:

From 2.8 - 13.5 Cv

MATERIALS:

Forged 316L SST

BODY FORM:

Straight-thru globe and angle body

TRIM:

316L SST

TEMPERATURE RANGE:

0° to 366°F (-17° to +186°C)

RANGEABILITY:

30:1

ACTUATOR:

Spring-diaphragm type; field reversible action

VALVE ACTION:

Fall open or fall closed

MODEL // **SCV-30**

The Model SCV-30 is a revolutionary, throttling, pneumatically actuated control valve. This unique design provides a geometrically characterized plug for superior throttling dynamics, plus the unit's ease of cleanability and maintenance meet the requirements of sanitary control valves. The design incorporates a formed internal diaphragm that is bonded to a characterized metal plug. The diaphragm/body provides the smooth internal passages necessary for ease in cleaning and sanitizing. The plug head provides rigidity to the otherwise flexible diaphragm in the throttling zone where characterized control is desired.



**VIEW IN
3D!**



LINE SIZES AVAILABLE

3/4"
(DN20)

1"
(DN25)

1.5"
(DN40)



END CONNECTIONS

BUTT
WELD

TRI-CLAMP



COMMON APPLICATIONS

PHARMACEUTICAL, BIOTECHNICAL, HEALTH CARE, PROCESSED FOOD, COSMETICS, BATCHING TANKS, COOKERS, DRYERS



DESIGN PRESSURE

MAX INLET: UP TO 60 psig (4.1 Barg)

MAX PRESSURE DROP: 60 psig (4.1 Barg)



CV RANGE:

From 2.8 - 11.7 Cv

MATERIALS:

Forged 316L SST

BODY FORM:

Straight-thru globe and angle body

TRIM:

316L SST

TEMPERATURE RANGE:

0° to 300°F (-17° to +149°C)

RANGEABILITY:

30:1

ACTUATOR:

Spring-diaphragm type; field reversible action

VALVE ACTION:

Fall open or fall closed

MODEL // 764P

The Model 764P is a reliable, versatile, and inexpensive pneumatic proportional pressure controller. It's available with iron or 316 SST sensing heads and can be set for direct or reverse action.



**VIEW IN
3D!**

SIGNAL OUTPUT:

3-15 psig (0.2-1.03 Barg)

CONTROL RANGE:

30" Vac through 2500 psig

OPTIONS:

Diaphragm Seals
Tri-clamp Connection

*The Model
764P is a reliable and
economic pressure
controller.*

MODEL // 764T

The Model 764T is a pneumatic temperature controller. Ideal for bleachers, cookers, heat exchangers and other applications that require durable and accurate temperature control.



**VIEW IN
3D!**

SIGNAL OUTPUT:

3-15 psig (0.2-1.03 Barg)

CONTROL RANGE:

-70°F to +580°F (-60°C to +305°C)

OPTIONS:

Thermal Bulb

*The Model
764T is reliable
and economic for
temperature control.*

Check out the other high quality product lines
available exclusively from Cashco.



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& Control Valves**



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