

A Full Range Of Products Offering You The Benefits Of Single-Source Convenience And Accountability.

Whether you're a specifying engineer, a purchasing manager or responsible for maintenance, you'll appreciate the value and performance you get in every RP&C valve.

RP&C products from Conbraco are your smart choice for several reasons. First, they meet the industry's highest standards for quality and performance. RP&C gate, globe, Y-pattern and check valves are manufactured to comply with the applicable sections of the following standards:

API	ASME/ANSI	MSS
591	B31.1	SP-25
598	B31.3	SP-61
602	B16.10	SP-82
	B16.11	
	B16.34	
	B1.20.2	

RP&C offers one of the broadest lines of forged steel valves you'll find anywhere. Finally, you'll appreciate RP&C's 100-year history of designing and building products for ease of operation and extended service life.

Conbraco is dedicated to vertically-integrated manufacturing to assure our customers of consistent high quality and performance. Our four U.S. plants are ISO 9001 registered,

while our Quality Assurance Program is among the most exacting in the industry.

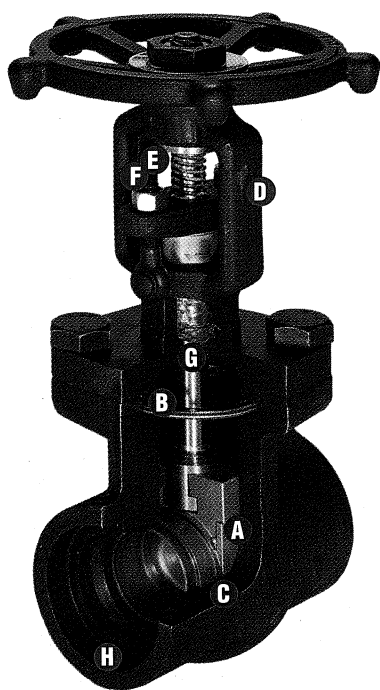
Every RP&C valve must pass hydrostatic shell and seat leakage testing before it is authorized for shipment. Cv values listed for RP&C valves reflect actual flow testing. For all pressure retaining parts, RP&C valves feature ASTM materials to assure extended service life and reliable performance.

For nearly a century, Conbraco has crafted a record of leadership in the manufacturing of industrial ball valves; gate, globe and check valves; boiler trimmings; pop safety and relief valves; gauges; and other flow-control devices and accessories. The company's products number in the hundreds. Sold under the Conbraco, Apollo and RP&C brand names, all are industry leaders in domestic and international markets.

The Conbraco line continues to expand - with new products, designs and advanced materials - to better serve the needs of our customers in chemical processing, pulp and paper, petroleum, power, residential and commercial construction, manufacturing and other markets.

Gate Valves

Class 800



Our forged steel gate valves are designed to API 602 requirements for reliable, high-efficiency performance in refinery, chemical and process industries. They can also be built to meet NACE Specification MR-01-75. They're designed to deliver extended, trouble-free service with little or no costly maintenance.

Available in sizes 1/4" to 3", RP&C Class 800 gate valves feature forged body and bonnet for maximum strength and safety.

A GATE: Available in 410 SST, 316 SST Stellite and Monel materials. The sealing surfaces are accurately ground to an 8 RMS finish. Each is mated with the seats in the valve for a custom fit. The result: perfect seating.

B GASKET: Spiral-wound stainless steel with carbon graphite filler. Flexible and long-wearing, our gaskets adjust easily to changes in pressure and temperature. Body and bonnet surfaces are machined to a 125 to 200 RMS finish; gasket interior and exterior diameters are captured by the body and bonnet for positive sealing and extended gasket life.

C SEAT: Each seat ring facing is stellite deposited and lapped to an 8 RMS finish. The seat ring is hydraulically swedged in the body to seal and lock in position.

D BONNET: Bolted bonnet ensures a positive and extremely tight joint. Also available in a weld bonnet design.

E OPERATING NUT: Nut features molybdenum disulfide lubricated double-lead ACME threads for ease of operation.

F WASHERS: Hardened steel washers eliminate seizing and galling.

G STEM: Unique design of stem and gate attachment ensures full compliance to API 602 and API 591. Specially designed broaching in body accurately guides gate in all directions.

H END CONNECTIONS: Available in screwed, socket weld or ANSI 150, 300, 600# flanges.

RP&C VALVE – GENERAL INFORMATION

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GATE VALVES

MODEL	MATERIAL	CLASS	CONNECTION	BONNET/STYLE	PORT	SIZE RANGE	PAGE
EF56	A105LCN	800	FNPT	OS&Y - BOLTED	CONV	1/4" – 2"	1G
EF57	A105LCN	800	SOCKET WELD	OS&Y – BOLTED	CONV	1/4" – 2"	1G
EFO56	A105LCN	800	FNPT	OS&Y – BOLTED	FULL	1/4" – 2"	2G
EFO57	A105LCN	800	SOCKET WELD	OS&Y – BOLTED	FULL	1/4" – 2"	2G
EFWB56	A105LCN	800	FNPT	OS&Y – WELDED	CONV	1/4" – 2"	3G
EFWB57	A105LCN	800	SOCKET WELD	OS&Y – WELDED	CONV	1/4" – 2"	3G
ELF56	A350 Gr. LF2	800	FNPT	OS&Y – BOLTED	CONV	1/4" – 2"	4G
ELF57	A350 Gr. LF2	800	SOCKET WELD	OS&Y – BOLTED	CONV	1/4" – 2"	4G
EC56	A182 Gr. F5	800	FNPT	OS&Y – BOLTED	CONV	1/4" – 2"	5G
EC57	A182 Gr. F5	800	SOCKET WELD	OS&Y – BOLTED	CONV	1/4" – 2"	5G
EK56	A182 Gr. F22 Cl. 3	800	FNPT	OS&Y – BOLTED	CONV	1/4" – 2"	5G
EK57	A182 Gr. F22 Cl. 3	800	SOCKET WELD	OS&Y – BOLTED	CONV	1/4" – 2"	5G
ES56	A182 Gr. F316/F316L	800	FNPT	OS&Y – BOLTED	CONV	1/4" – 2"	6G
ES57	A182 Gr. F316/F316L	800	SOCKET WELD	OS&Y – BOLTED	CONV	1/4" – 2"	6G
ESWB56	A182 Gr. F316/F316L	800	FNPT	OS&Y – WELDED	CONV	1/4" – 2"	7G
ESWB57	A182 Gr. F316/F316L	800	SOCKET WELD	OS&Y – WELDED	CONV	1/4" – 2"	7G
EF158	A105LCN	150	FLANGED	OS&Y – BOLTED	CONV	1/2" – 3"	8G
EF308	A105LCN	300	FLANGED	OS&Y – BOLTED	CONV	1/2" – 3"	8G
EF608	A105LCN	600	FLANGED	OS&Y – BOLTED	CONV	1/2" – 3"	8G
EF46	A105LCN	800	EXT. MCE X FSW	OS&Y – BOLTED	CONV	1/2" – 1-1/2"	9G
EF51	A105LCN	800	EXT. MNPT X FNPT	OS&Y – BOLTED	CONV	3/4" – 1-1/2"	9G
EF52	A105LCN	800	EXT. MSW X FSW	OS&Y – BOLTED	CONV	1/2" – 1-1/2"	9G
EF53	A105LCN	800	EXT. MNPT X FSW	OS&Y – BOLTED	CONV	3/4" – 1-1/2"	9G
EF54	A105LCN	800	EXT. MSW X FNPT	OS&Y – BOLTED	CONV	1/2" – 1-1/2"	9G
EF55	A105LCN	800	EXT. MCE X FNPT	OS&Y – BOLTED	CONV	1/2" – 1-1/2"	9G
EFWB46	A105LCN	800	EXT. MCE X FSW	OS&Y – WELDED	CONV	1/2" – 1-1/2"	10G
EFWB51	A105LCN	800	EXT. MNPT X FNPT	OS&Y – WELDED	CONV	3/4" – 1-1/2"	10G
EFWB52	A105LCN	800	EXT. MSW X FSW	OS&Y – WELDED	CONV	1/2" – 1-1/2"	10G
EFWB53	A105LCN	800	EXT. MNPT X FSW	OS&Y – WELDED	CONV	3/4" – 1-1/2"	10G
EFWB54	A105LCN	800	EXT. MSW X FNPT	OS&Y – WELDED	CONV	1/2" – 1-1/2"	10G
EFWB55	A105LCN	800	EXT. MCE X FNPT	OS&Y – WELDED	CONV	1/2" – 1-1/2"	10G
EF48	A105LCN	800	IREB MSW X FNPT	OS&Y – BOLTED	CONV	1/2" – 1-1/2"	11G
EF49	A105LCN	800	IREB MSW X FSW	OS&Y – BOLTED	CONV	1/2" – 1-1/2"	11G
EFWB48	A105LCN	800	IREB MSW X FNPT	OS&Y – BOLTED	CONV	1/2" – 1-1/2"	12G
EFWB49	A105LCN	800	IREB MSW X FSW	OS&Y – BOLTED	CONV	1/2" – 1-1/2"	12G

GLOBE VALVES

MODEL	MATERIAL	CLASS	CONNECTION	BONNET/STYLE	PORT	SIZE RANGE	PAGE
F80	A105LCN	800	FNPT	OS&Y - BOLTED	CONV	1/4" – 2"	1GL
F81	A105LCN	800	SOCKET WELD	OS&Y – BOLTED	CONV	1/4" – 2"	1GL
FWB80	A105LCN	800	FNPT	OS&Y – WELDED	CONV	1/4" – 2"	2GL
FWB81	A105LCN	800	SOCKET WELD	OS&Y – WELDED	CONV	1/4" – 2"	2GL
LF80	A350 Gr. LF2	800	FNPT	OS&Y - BOLTED	CONV	1/4" – 2"	3GL
LF81	A350 Gr. LF2	800	SOCKET WELD	OS&Y – BOLTED	CONV	1/4" – 2"	3GL
C80	A182 Gr. F5	800	FNPT	OS&Y – BOLTED	CONV	1/4" – 2"	4GL
C81	A182 Gr. F5	800	SOCKET WELD	OS&Y – BOLTED	CONV	1/4" – 2"	4GL
K80	A182 Gr. F22 Cl. 3	800	FNPT	OS&Y – BOLTED	CONV	1/4" – 2"	5GL
K81	A182 Gr. F22 Cl. 3	800	SOCKET WELD	OS&Y – BOLTED	CONV	1/4" – 2"	5GL
S80	A182 Gr. F316/F316L	800	FNPT	OS&Y – BOLTED	CONV	1/4" – 2"	5GL
S81	A182 Gr. F316/F316L	800	SOCKET WELD	OS&Y – BOLTED	CONV	1/4" – 2"	5GL
F180	A105LCN	150	FLANGED	OS&Y – BOLTED	CONV	1/2" – 2"	6GL
F380	A105LCN	300	FLANGED	OS&Y – BOLTED	CONV	1/2" – 2"	6GL
F680	A105LCN	600	FLANGED	OS&Y - BOLTED	CONV	1/2" – 2"	7GL
F80TF	A105LCN	800	FNPT	OS&Y – BOLTED	CONV	1/4" – 2"	7GL
F180TF	A105LCN	150	FLANGED	OS&Y – BOLTED	CONV	1/2" – 2"	8GL
F380TF	A105LCN	300	FLANGED	OS&Y – BOLTED	CONV	1/2" – 2"	8GL
F680TF	A105LCN	600	FLANGED	OS&Y – BOLTED	CONV	1/2" – 2"	8GL

RP&C VALVE

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