

FIRE TEST



PROCESS PLAN



OFFSHORE



USA

Cooper Cameron Valves
Missouri City, TX
Phone: 281-499-8511
Fax: 281-499-6965

Cooper Cameron Valves
Oklahoma City, OK
Phone: 405-631-1321
Fax: 405-629-0420

UK

Cooper Cameron Valves
Livingston, Scotland
Phone: 011 44 1506 444000
Fax: 011 44 1506 441320

CANADA

Cooper Cameron Corporation
Calgary, Alberta
Phone: 403-261-2800
Fax: 403-262-5181

MEXICO

Cooper Cameron de Mexico
S.A. de C.V.
Mexico City
Phone: 011-52-5-580-0296
Fax: 011-52-5-395-8669

ARGENTINA

Cameron Argentina S.A.I.C.
Zarate, Pica Buenos Aires
Phone: 011-54-487-22297
Fax: 011-54-487-23404

SINGAPORE

Cooper Cameron (Singapore)
Pte. Ltd.
Phone: 011-65-861-3355
Fax: 011-65-861-6197

FRANCE

Cameron France, S.A.
Beziers, France
Phone: 011-33-467-111500
Fax: 011-33-467-111600

OTHER LOCATIONS

Austria	Malaysia
Australia	Netherlands
Brazil	New Zealand
Brunei	Nigeria
Chile	Norway
Congo	Oman
Egypt	Poland
England	Qatar
Gabon	Russia
Germany	Saudi Arabia
Hungary	UAE
Indonesia	Venezuela
Ireland	
Japan	

FACTORY WAREHOUSES

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Houston, Texas
Kilgore, Texas
Odessa, Texas
Casper, Wyoming
Oklahoma City, Oklahoma
Houma, Louisiana
Shreveport, Louisiana
New Iberia, Louisiana
Parkersburg, West Virginia
Bakersfield, California
Farmington, New Mexico
Laurel, Mississippi



16500 South Main
Missouri City Texas 77489
281 499 8511
800 323 9160
www.ccvalve.com

TC1457
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Printed in USA 02/01

W-K-M Floating Ball Valves

Valves for Industrial, Oil and Gas, and Pipeline Applications

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DynaSeal 310 Ball Valves

A premium quality floating ball valve that has proven itself in a wide variety of oil field, pipeline, chemical, petrochemical and hydrocarbon processing applications has been redesigned to current industry standards and specifications.

- Design to ANSI B16.34 Specifications
- Fire-Tested to API 607 4th edition
- Adjustable stem packing exceeds the requirements as specified by Title III of the 1990 Amendment to the Clean Air Act.
- Protected deep pocketed seats extend service life.
- Locking devices are standard in bore sizes up through 3" at no additional charge.
- Uniform 2-piece design from 1/4" through 14" R features positively retained stems.
- Unibody styles in Carbon Steel, Stainless Steel and Ductile Iron are available for specialized applications and services.

The W-K-M advantage provides a superior valve designed to meet current standards and specifications at a competitive price. This advantage is supported by a

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The W-K-M Advantage...

Current Design

W-K-M DynaSeal 310 2-piece ball valves are designed in accordance with ANSI B16.34 which is the current, preferred valve design standard.

Current Fire Test

DynaSeal 310 ball valves with RTFE (42) or Acetal Plastic (43) seats have been fire-tested in accordance with API Standard 607 4th edition. Certificates of compliance are available on request.

Current Stem Packing Meets Fugitive Emission Requirements

DynaSeal 310 ball valves in 2-piece body and Unibody designs feature positively retained stems and adjustable stem packing and

exceed the requirements as specified by Title III of the 1990 Amendment to the Clean Air Act.

Current Locking Devices

W-K-M valves in sizes 1/4" F through 4" R feature locking devices for full open and closed positions at no additional charge.

Current Test Procedure

All W-K-M DynaSeal 310 ball valves are 100% hydrostatically seat and shell tested as per the requirements of ANSI B16.34.

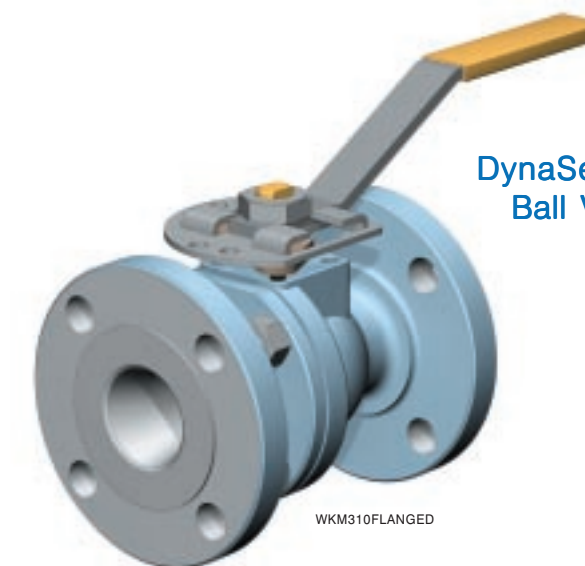
Current Seat Technology

W-K-M Acetal Plastic Seats (Trim 43) have been designed for enhanced performance in the majority of oil field and pipeline applications with maximum

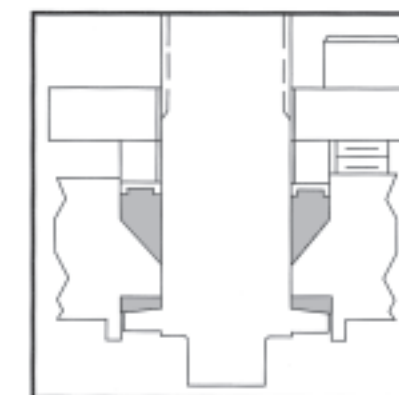
operating pressures of 3000 psi and temperature ranges to 220° F.

Current Customer Support

DynaSeal 310 ball valves continue to be available from Cooper Cameron Valves, at competitive prices from our established network of stocking distributors. Our stocking distributor inventory is further supported by our factory and 13 field warehouse locations. W-K-M stocking distributors are supported by a technical sales force in the field. Of course, technical help is just a phone call away at (800) 323-9160 or a click away at www.ccvalve.com. Visit our website for additional details or contact your nearest Cooper Cameron Valves sales representative.



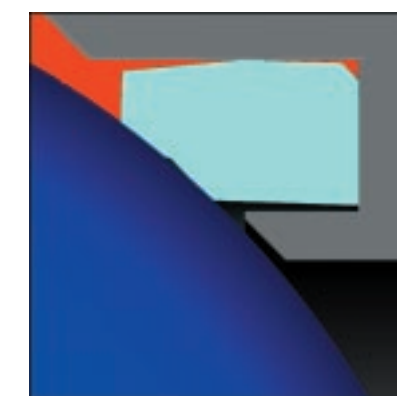
DynaSeal 310 Ball Valve



Adjustable Stem Packing Positively Retained Stem



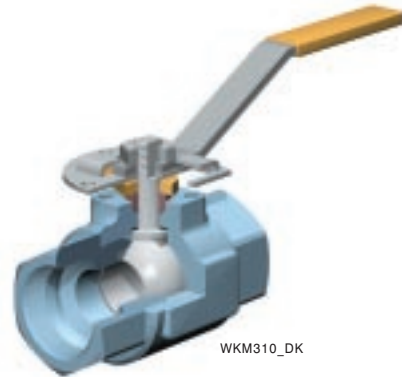
Trim 43 Low Pressure Seal



Trim 43 High Pressure Seal Protected Seat Design Extended Service Life

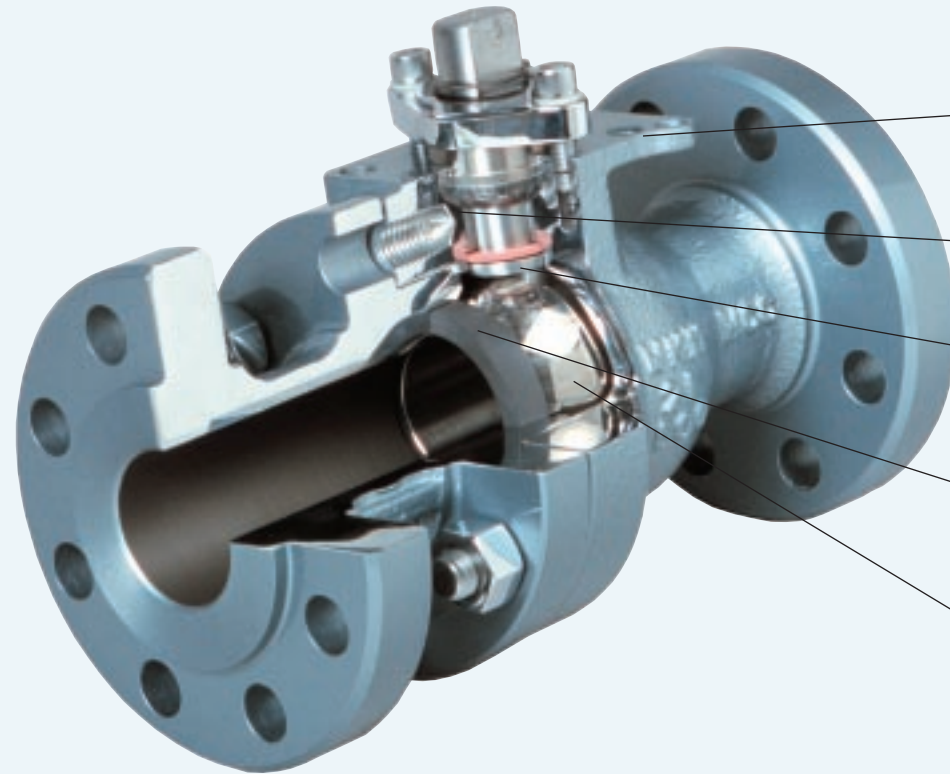
W - K - M F L O A T I N G B A L L V A L V E

W-K-M DynaSeal 310 Ball Valve
New 2-Piece Design



2-Piece Threaded End
Threaded Body Design

1" F Through 4" R
2-Piece Bolted
Body Design



Open or closed position locking plate allows use of popular padlock designs.

Packing can be replaced without removing valve from line.

Stem is positively retained, cannot be removed with valve in service.

Seats in deep protective pocket which prevents cold-flow of seat into line.

Floating Ball is self-adjusting, self-cleaning.

WKMCUTAWAY-NEW

PRODUCT PROFILE

SIZES

Flanged Ends 1" F - 4" R
Threaded 1" F - 4" R

PRESSURE CLASSES

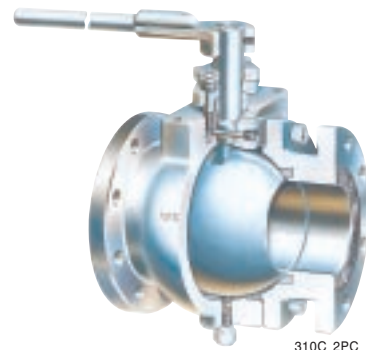
Flanged Ends 150, 300 & 600
Threaded Ends to 5000# MOP

STANDARD MATERIALS

Carbon Steel
Stainless Steel

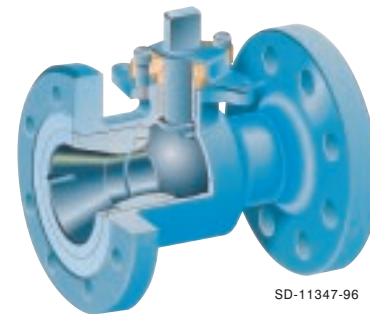
TEMPERATURE RANGE

-50°F to + 600°F (-46°C to +316°C)



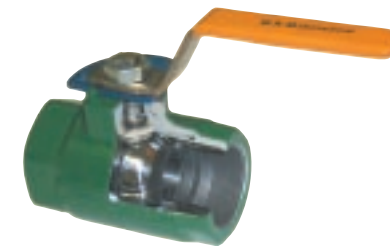
310C 2PC

W-K-M DynaSeal 310C Ball Valve 2-Piece Design



SD-11347-96

W-K-M DynaSeal 310D Ball Valve Unibody Design



DUCTILECUTAWAY

W-K-M Ductile Iron Ball Valves



210DVALVES

W-K-M DynaSeal 210D Ball Valve Unibody Design

PRODUCT PROFILE

SIZES

Flanged Ends 4" F - 14" R
Weld Ends 4" F - 12" R

PRESSURE CLASSES

Flanged Ends 150 & 300
Weld Ends 300

STANDARD MATERIALS

Carbon Steel
Stainless Steel

TEMPERATURE RANGE

-50°F to + 600°F (-40°C to +316°C)

PRODUCT PROFILE

SIZES

Flanged Ends 1/2" F - 4" R

PRESSURE CLASSES

Flanged Ends 150 & 300

STANDARD MATERIALS

Carbon Steel
Stainless Steel

TEMPERATURE RANGE

-50°F to + 600°F (-40°C to +316°C)

PRODUCT PROFILE

SIZES

Threaded Ends 1" F - 4" R

WORKING PRESSURES

1000, 1500 or 2000

STANDARD MATERIALS

Ball and Stem
Carbon Steel, Stainless Steel (NACE)

TEMPERATURE RANGE

-20°F to + 350°F (-29°C to +177°C)

PRODUCT PROFILE

SIZES

2" x 1-1/2"
3" x 2"
4" x 3"

CLASS AVAILABLE

125 Flat Face Flanged
150 Raised Face Flanged

TEMPERATURE RANGE

-20°F to + 350°F (-29°C to +177°C)

