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**McCANNA Top entry Cryogenic (CX)**

**Features**
- Top entry design ball valve
- Full port and reduced port valves
- ASME class 150, 300, 600 design.
- PCTFE (e.g. Kel-F®) seat material
- “Wedge” seat design
- Special low-torque cryogenic seat profile
- All cast non-welded bonnet extension
- Uni-Directional flow
- Stems are double-sealed
- Single piece stem design
- Live loaded stem seals
- Inline repairable
- Upstream cavity pressure relief
- Valve operation - Wrench / Gear / Actuators

**Sizes**
- \(\frac{1}{2}" - 8"\) Reduced Port
- \(\frac{1}{2}" - 6"\) Full Port
- RF Flanged
- Screwed end 1” and below
- Socket weld 1” and below
- Butt weld

**Standards**
- ASME B16.34
- Flange details to ASME B 16.5
- S.E. to ASME B 1.20.1
- S.W. to ASME B 16.11
- Buttweld to ASME B16.25
- Reduced Port Flanged / Buttweld valve face to face to ASME B16.10
- API 607 & ISO 10497 fire test
- BS 6364, MSS SP-134, MESC SPE 77/200 Bonnet extension height
- ISO 5211 Mounting pad
- Design in accordance with API 6D
- API 598 testing
- ISO 15848-1, Tightness Class BH and Endurance Class C01

**Get more information:**
Product catalog:
- MMENBR1027-01
- MMENIM2007-010AQ
Valve Sizing Manual:
- MMASS0008-00

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**McCANNA Top entry Current McCANNA (S/Y/Z)**

**Features**
- Top entry design ball valve
- Full port and reduced port valves
- ASME class 150-1500 design
- Meets ASME B16.34 requirements (consult pressure/temperature charts)
- “Wedge” seat design
- Multiple body and trim materials
- Live loaded stem seals
- Multiple soft and metal seat options
- Bi-directional sealing
- Multiple bonnet options
- Special service applications: UL, API 607, PTA, chlorine and other special service approvals.
- Inline repairable
- Valve operation - Wrench / Gear / Actuators

**Sizes**
- \(\frac{1}{2}" - 20"\) Reduced Port
- 1” – 16” Full Port
- RF /RTJ Flanged
- Screwed end
- Socket weld
- Butt weld and others

**Standards**
- ASME B16.34
- Flanged details to ASME B 16.5
- S.E. to ASME B 1.20.1
- S.W. to ASME B 16.11
- Buttweld to ASME B16.25
- Reduced Port valve face to face to ASME B16.10
- API 607 & ISO 10497 Fire test
- Design in accordance with API 6D
- ISO 5211 Mounting pad
- API 598
- API 608
- ISO 15848-1 Qualified designs

**Get more information:**
Product catalog:
- RFP 100-2
Valve Sizing Manual:
- MMASM0008-00

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**McCANNA Top entry Trunnion Mounted (T) for PTA**

**Features**
- Top entry design Trunnion Mounted Ball Valve
- Full port valves
- ASME class 150-300 design
- 6” & 8” ASME Class 1500 derated
- Meets ASME B16.34 requirements (consult pressure/temperature charts)
- “Wedge” seat design
- Designed for Stainless steel and Titanium material
- Carbon graphite seat design
- Bi-directional sealing
- Specially designed for PTA service applications
- Inline repairable
- Live loaded stem seals
- Upstream cavity pressure relief
- Sealtite body and bonnet design
- Valve Operation – Gear / Actuators

**Sizes**
- 6” – 16” Full Port
- RF /RTJ Flanged

**Standards**
- ASME B16.34
- Flanged details to ASME B 16.5
- Face to Face meets ASME B16.10
- API 607 & ISO 10497 Fire test
- Design in accordance with API 6D
- ISO 5211 Mounting pad
- API 598
- API 608
- ISO 15848-1 Qualified designs

**Get more information:**
Product catalog:
- MMENBR1015-00-AQ
Valve Sizing Manual:
- MMASM0008-00
**MARPAC Petro E790**

**Features**
- 3-piece swing out double union end
- CWP pressure rating to 4500 psi
- Meets MSS-SP-99/61 requirements
- Seat retainer design allows for bench testing in the field before installation
- Multiple soft seat options
- Tight shut off and bi-directional sealing
- Forged construction

**Sizes**
- ¼” - 2”
- Screwed end
- Socket weld
- Other end connections available

**Standards**
- NACE
- API 607 fire test
- UL

**Get more information:**
- Product catalog: MMABR1022
- IOM: MMAIM2002
- Valve Sizing Manual: MMASS0008-00

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**MARPAC McCannflo F602**

**Features**
- Forged bar 2-piece construction
- 3 body designs for instrument use
- Double sealed, back seated stem design
- Fire safe version
- Multiple materials available
- Anti-static live loaded stem build
- CWP pressure rating to 1500 psi

**Sizes**
- F602 ¼”-2”
- Gauge and compressor - see product catalog

**Standards**
- API 607 fire test
- NACE

**Get more information:**
- Product catalog: MMABR1008
- IOM: MMAIM2006
- Valve Sizing Manual: MMASS0008-00

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**MARPAC TriPac E325/525**

**Features**
- 3-piece forged swing out design
- CWP pressure rating up to 3000 psi
- Tight shut-off
- Anti-static rugged stem build
- Multiple soft seat options
- Pre-drilled mounting holes for actuation

**Sizes**
- ¼” - 2”
- CS and SS body materials

**Standards**
- ASME B16.34
- API 607 fire test

**Get more information:**
- Product catalog: MMABR1019
- IOM: MMAIM2003
- Valve Sizing Manual: MMASS0008-00
MARPAC Series B780 WOG

**Features**
- Cast general purpose valve
- 2-piece body
- WOG 2000 psi rating
- Temperatures up to 450°F
- Carbon and stainless body materials

**Sizes**
- ¼"-2"

**Standards**
- N/A

**Get more information:**
- Product catalog: MMENBR1013
- IOM: MMENIM2009
- Valve Sizing Manual: MMASS0008-00

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MARPAC J/K Series

**Features**
- Unibody and split-body design
- Regular and full port design
- Custom and ISO 5211 mounting (FP)
- Wide variety of body, seat and seal materials means dependable, high cycle control on steam, petroleum products, chemicals and abrasive liquids
- Cavity filled designs

**Sizes**
- ¼" to 8" - see product catalog
- ASME 150# and 300# class

**Standards**
- API 607 4th Edition
- NACE MR01-75

**Get more information:**
- Product catalog: MMABR1006
- YMENBR1030
- IOM: MMENIM2011
- MMENIM2012
- Valve Sizing Manual: MMASS0008-00
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