

# Industrial Catalog



**M** MATCO-NORCA  
**INDUSTRIAL**

Global sourcing. National compliance. Local service.

CALIFORNIA • TEXAS • ILLINOIS • GEORGIA • NEW YORK

# Certifications & Approvals

## Committed to Quality

Matco-Norca is committed to maintaining a high standard of quality for all the products we offer. Most products in this catalog are labeled with a designated approval or certification code. Below is a brief description of these approvals.



**ADA** **American Disabilities Act** — Protecting the rights of people with physical or mental disabilities.



**ANSI** **American National Standards Institute** — Organization that coordinates work among U.S. Standards writing groups; Works in conjunction with other groups such as ISO, ASME, ASTM, etc.



**ASME** **American Society of Mechanical Engineers** — Develops standards and testing criteria for finished products.



**ASSE** **American Society of Sanitary Engineering** — Develops standards and qualifies products for plumbing and sanitary installations.



**ASTM** **American Society for Testing Materials** — Develops standards for materials, products, systems and services.



**AWWA** **American Water Works Association** — Promotes public health through improvement of water quality. Develops standards for valves, fittings and equipment.



**CSA** **Canadian Standards Association** — Develops standards, tests and qualifies products used in gas lines and gas appliance installations.



**FM** **Factory Mutual** — Develops standards and qualifies products for use by the general public.



**ISO** **International Standards Association** — A worldwide process control organization. An internationally recognized certification for manufacturers that comply with high standards of quality control. Developed standards ISO-9000 through ISO-9004



**MSS** **Mechanics Standardization Society of the Valves & Fittings Industry, Inc.** — A committee of manufacturers that develops technical codes and standards for the valve & fitting industry.



**NACE** **National Association of Corrosion Engineers** — Equips society to protect people, assets and the environment from the adverse effects of corrosion.



**SDWA** **The Safe Drinking Water Act** — Is the main federal law that ensures the quality of Americans' drinking water. Under SDWA, EPA sets standards for drinking water quality and oversees the states, localities, and water suppliers who implement those standards. Weighted average lead content of water contact components must be 0.25% or less.



**NSF** **NSF International** — An organization committed to public health that writes standards and certifies products for food, water and consumer products.



**UL** **Underwriter's Laboratory** — Tests and qualifies valve and fittings products under UL standards for safety.



**UPC** **Uniform Plumbing Code** — Developed by the International Association of Plumbing and Mechanical Officials to govern the installation and inspection of plumbing systems as a means of promoting the public's health, safety and welfare.



**USC** **University of Southern California** — Foundation for Cross-Connection Control and Hydraulic Research that lists approved backflow prevention assemblies.



**WS** **Water Sense** — A U.S. Environmental Protection Agency (EPA) program designed to encourage water efficiency in the United States through the use of a special label on consumer products.

# One & Two Piece Threaded Ball Valves



15SSTH

## 15SSTH

MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
		INNER	MASTER
<b>One Piece Reduced Port 316 Stainless Steel Ball Valves</b>			
<b>W.P. 1000 WOG Blow Out Proof Stem NPT</b>		<b>W.T. - 4 - 392 Locking Handle</b>	
15SSTH01	1/4"	20	160
15SSTH02	3/8"	20	160
15SSTH03	1/2"	20	160
15SSTH04	3/4"	10	80
15SSTH05	1"	7	56
15SSTH06	1-1/4"	4	32
15SSTH07	1-1/2"	2	16
15SSTH08	2"	2	16



20SSTH

## 20SSTH

MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
		INNER	MASTER
<b>Two Piece Full Port 316 Stainless Steel Ball Valves</b>			
<b>W.P. 1000 WOG Blow Out Proof Stem NPT</b>		<b>W.T. - 4 - 392 Locking Handle</b>	
20SSTH01M	1/4"	20	80
20SSTH02M	3/8"	20	80
20SSTH03M	1/2"	18	72
20SSTH04M	3/4"	12	48
20SSTH05M	1"	10	40
20SSTH06M	1-1/4"	6	24
20SSTH07M	1-1/2"	4	16
20SSTH08M	2"	3	12
20SSTH09M	2-1/2"	1	4
20SSTH10M	3"	1	1



25SSTH

## 25SSTH

MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
		INNER	MASTER
<b>Two Piece Reduced Port 316 Stainless Steel Ball Valves</b>			
<b>W.P. 1/4" - 1" 2000 WOG Blow Out Proof Stem NPT</b>		<b>W.P. 1-1/4" - 2" 1500 WOG Locking Handle</b>	
<b>W.T. - 4 - 392</b>			
25SSTH01M	1/4"	20	80
25SSTH02M	3/8"	20	80
25SSTH03M	1/2"	20	80
25SSTH04M	3/4"	12	48
25SSTH05M	1"	10	40
25SSTH06M	1-1/4"	5	20
25SSTH07M	1-1/2"	4	16
25SSTH08M	2"	2	8



25CSTH

## 25CSTH

MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
		INNER	MASTER
<b>Two Piece Reduced Port Carbon Steel Ball Valves</b>			
<b>W.P. 1/4" - 1" 2000 WOG Blow Out Proof Stem NPT</b>		<b>W.P. 1-1/4" - 2" 1500 WOG Locking Handle</b>	
<b>W.T. - 4 - 392</b>			
25CSTH01M	1/4"	20	80
25CSTH02M	3/8"	20	80
25CSTH03M	1/2"	20	80
25CSTH04M	3/4"	12	48
25CSTH05M	1"	10	40
25CSTH06M	1-1/4"	5	20
25CSTH07M	1-1/2"	4	16
25CSTH08M	2"	2	8

# Two & Three Piece Ball Valves



759LH

759LH	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Two Piece Full Port Forged Brass Ball Valves</b>				
W.P. 600 WOG Blow Out Proof Stem      Locking Handle NPT				
	759T01LHLF	1/4"	15	120
	759T02LHLF	3/8"	15	120
	759T03LHLF	1/2"	15	120
	759T04LHLF	3/4"	10	60
	759T05LHLF	1"	8	48
	759T06LHLF	1-1/4"	4	24
	759T07LHLF	1-1/2"	2	24
	759T08LHLF	2"	2	12
	759T09LHLF	2-1/2"	2	6
	759T10LHLF	3"	2	4
	759T11LHLF	4"	1	2



30CSTH

30CSTH	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Three Piece Full Port Carbon Steel Ball Valves</b>				
W.P. 1000 WOG      W.T. - 4 - 392 Blow Out Proof Stem      Locking Handle NPT				
	30CSTH01	1/4"	10	40
	30CSTH02	3/8"	10	40
	30CSTH03	1/2"	8	32
	30CSTH04	3/4"	6	24
	30CSTH05	1"	4	16
	30CSTH06	1-1/4"	3	12
	30CSTH07	1-1/2"	2	8
	30CSTH08	2"	1	4
	30CSTH09	2-1/2"	1	1
	30CSTH10	3"	1	1
	30CSTH11	4"	1	1



30CSSW

30CSSW	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Three Piece Full Port Carbon Steel Ball Valves</b>				
W.P. 1000 WOG      W.T. - 4 - 392 Blow Out Proof Stem      Locking Handle SW				
	30CSSW01	1/4"	10	40
	30CSSW02	3/8"	10	40
	30CSSW03	1/2"	8	32
	30CSSW04	3/4"	6	24
	30CSSW05	1"	4	16
	30CSSW06	1-1/4"	3	12
	30CSSW07	1-1/2"	2	8
	30CSSW08	2"	1	4
	30CSSW09	2-1/2"	1	1
	30CSSW10	3"	1	1
	30CSSW11	4"	1	1

# Three Piece Ball Valves



30SSTH

30SSTH	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Three Piece Full Port 316 Stainless Steel Ball Valves</b>				
<b>W.P. 1000 WOG Blow Out Proof Stem NPT</b>		<b>W.T. - 4 - 392 Locking Handle</b>		
	30SSTH01	1/4"	10	40
	30SSTH02	3/8"	10	40
	30SSTH03	1/2"	8	32
	30SSTH04	3/4"	6	24
	30SSTH05	1"	4	16
	30SSTH06	1-1/4"	3	12
	30SSTH07	1-1/2"	2	8
	30SSTH08	2"	2	4
	30SSTH09	2-1/2"	1	1
	30SSTH10	3"	1	1
	30SSTH11	4"	1	1



30SSSW

30SSSW	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Three Piece Full Port 316 Stainless Steel Ball Valves</b>				
<b>W.P. 1000 WOG Blow Out Proof Stem SW</b>		<b>W.T. - 4 - 392 Locking Handle</b>		
	30SSSW01	1/4"	10	40
	30SSSW02	3/8"	10	40
	30SSSW03	1/2"	8	32
	30SSSW04	3/4"	6	24
	30SSSW05	1"	4	16
	30SSSW06	1-1/4"	3	12
	30SSSW07	1-1/2"	2	8
	30SSSW08	2"	2	4
	30SSSW09	2-1/2"	1	1
	30SSSW10	3"	1	1
	30SSSW11	4"	1	1

# Flanged Ball Valves



20CSFLD

**MATCO-NORCA  
MODEL NUMBER**

**SIZE**

**CARTON QUANTITIES  
INNER MASTER**

**20CSFLD**

## Two Piece Full Port Flanged Carbon Steel Ball Valves

**W.P. ANSI Class 150  
Blow Out Proof Stem**

**W.T. - 4 - 392  
Locking Handle**

**ASME B16.34**

20CSFL05D	1"	6	12
20CSFL07D	1-1/2"	4	8
20CSFL08D	2"	2	4
20CSFL09D	2-1/2"	1	2
20CSFL10D	3"	1	2
20CSFL11D	4"	1	2
20CSFL13D	6"	1	1

**20SSFLD**

## Two Piece Full Port Flanged 316 Stainless Steel Ball Valves

**W.P. ANSI Class 150  
Blow Out Proof Stem**

**W.T. - 4 - 392  
Locking Handle**

**ASME B16.34**



20SSFLD

20SSFL05D	1"	6	12
20SSFL07D	1-1/2"	4	8
20SSFL08D	2"	2	4
20SSFL09D	2-1/2"	1	2
20SSFL10D	3"	1	2
20SSFL11D	4"	1	2
20SSFL13D	6"	1	1

# Forged Gate Valves



500FCT

## 500FCT

MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
		INNER	MASTER
<b>Forged Carbon Steel Gate Valves - Class 800</b>			
<b>ASTM A105</b>		<b>API 602 / API 598</b>	
<b>Maximum Pressure 1975 PSI</b>		<b>Maximum Temperature 850°</b>	
<b>Bolted Bonnet</b>		<b>NACE MR0175</b>	
<b>NPT</b>			
500FCT01	1/4"	1	10
500FCT02	3/8"	1	10
500FCT03	1/2"	1	10
500FCT04	3/4"	1	9
500FCT05	1"	1	5
500FCT06	1-1/4"	1	4
500FCT07	1-1/2"	1	3
500FCT08	2"	1	2



500FCW

## 500FCW

MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
		INNER	MASTER
<b>Forged Carbon Steel Gate Valves - Class 800</b>			
<b>ASTM A105</b>		<b>API 602</b>	
<b>Maximum Pressure 1975 PSI</b>		<b>Maximum Temperature 850°</b>	
<b>Bolted Bonnet</b>		<b>NACE MR0175</b>	
<b>SW</b>			
500FCW01	1/4"	1	10
500FCW02	3/8"	1	10
500FCW03	1/2"	1	10
500FCW04	3/4"	1	9
500FCW05	1"	1	5
500FCW06	1-1/4"	1	4
500FCW07	1-1/2"	1	3
500FCW08	2"	1	2



500FSST

## 500FSST

MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
		INNER	MASTER
<b>Forged Stainless Steel Gate Valves - Class 800</b>			
<b>ASTM A182/316L</b>		<b>API 602</b>	
<b>Maximum Pressure 1975 PSI</b>		<b>Maximum Temperature 850°</b>	
<b>Bolted Bonnet</b>		<b>NACE MR0175</b>	
<b>NPT</b>			
500FSST03	1/2"	1	10
500FSST04	3/4"	1	9
500FSST05	1"	1	5
500FSST06	1-1/4"	1	4
500FSST07	1-1/2"	1	3
500FSST08	2"	1	2



500FSSW

## 500FSSW

MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
		INNER	MASTER
<b>Forged Stainless Steel Gate Valves - Class 800</b>			
<b>ASTM A182/316L</b>		<b>API 602</b>	
<b>Maximum Pressure 1975 PSI</b>		<b>Maximum Temperature 850°</b>	
<b>Bolted Bonnet</b>		<b>NACE MR0175</b>	
<b>SW</b>			
500FSSW03	1/2"	1	10
500FSSW04	3/4"	1	9
500FSSW05	1"	1	5
500FSSW06	1-1/4"	1	4
500FSSW07	1-1/2"	1	3
500FSSW08	2"	1	2

# Forged Globe Valves



505FCT

505FCT	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Forged Carbon Steel Globe Valves - Class 800</b>				
	ASTM A105 Maximum Pressure 1975 PSI Bolted Bonnet NPT		API 602 Maximum Temperature 850° NACE MR0175	
	505FCT01	1/4"	1	10
	505FCT02	3/8"	1	10
	505FCT03	1/2"	1	10
	505FCT04	3/4"	1	9
	505FCT05	1"	1	5
	505FCT06	1-1/4"	1	4
	505FCT07	1-1/2"	1	3
	505FCT08	2"	1	2



505FCW

505FCW	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Forged Carbon Steel Globe Valves - Class 800</b>				
	ASTM A105 Maximum Pressure 1975 PSI Bolted Bonnet SW		API 602 Maximum Temperature 850° NACE MR0175	
	505FCW01	1/4"	1	10
	505FCW02	3/8"	1	10
	505FCW03	1/2"	1	10
	505FCW04	3/4"	1	9
	505FCW05	1"	1	5
	505FCW06	1-1/4"	1	4
	505FCW07	1-1/2"	1	3
	505FCW08	2"	1	2



505FSST

505FSST	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Forged Stainless Steel Globe Valves - Class 800</b>				
	ASTM A182/316L Maximum Pressure 1975 PSI Bolted Bonnet NPT		API 602 Maximum Temperature 850° NACE MR0175	
	505FSST03	1/2"	1	10
	505FSST04	3/4"	1	9
	505FSST05	1"	1	5
	505FSST06	1-1/4"	1	4
	505FSST07	1-1/2"	1	3
	505FSST08	2"	1	2



505FSSW

505FSSW	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Forged Stainless Steel Globe Valves - Class 800</b>				
	ASTM A182/316L Maximum Pressure 1975 PSI Bolted Bonnet SW		API 602 Maximum Temperature 850° NACE MR0175	
	505FSSW03	1/2"	1	10
	505FSSW04	3/4"	1	9
	505FSSW05	1"	1	5
	505FSSW06	1-1/4"	1	4
	505FSSW07	1-1/2"	1	3
	505FSSW08	2"	1	2



# Forged Check Valves



522FCT

522FCT	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Forged Carbon Steel Check Valves - Class 800</b>				
	<b>ASTM A105</b>		<b>API 602</b>	
	<b>Maximum Pressure 1975 PSI</b>		<b>Maximum Temperature 850°</b>	
	<b>Bolted Bonnet</b>		<b>NACE MR0175</b>	
	<b>NPT</b>			
	522FCT01	1/4"	1	10
	522FCT02	3/8"	1	10
	522FCT03	1/2"	1	10
	522FCT04	3/4"	1	9
	522FCT05	1"	1	5
	522FCT06	1-1/4"	1	4
	522FCT07	1-1/2"	1	3
	522FCT08	2"	1	2



522FCW

522FCW	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Forged Carbon Steel Check Valves - Class 800</b>				
	<b>ASTM A105</b>		<b>API 602</b>	
	<b>Maximum Pressure 1975 PSI</b>		<b>Maximum Temperature 850°</b>	
	<b>Bolted Bonnet</b>		<b>NACE MR0175</b>	
	<b>SW</b>			
	522FCW01	1/4"	1	10
	522FCW02	3/8"	1	10
	522FCW03	1/2"	1	10
	522FCW04	3/4"	1	9
	522FCW05	1"	1	5
	522FCW06	1-1/4"	1	4
	522FCW07	1-1/2"	1	3
	522FCW08	2"	1	2



522FSST

522FSST	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Forged Stainless Steel Check Valves - Class 800</b>				
	<b>ASTM A182/316L</b>		<b>API 602</b>	
	<b>Maximum Pressure 1975 PSI</b>		<b>Maximum Temperature 850°</b>	
	<b>Bolted Bonnet</b>		<b>NACE MR0175</b>	
	<b>NPT</b>			
	522FSST03	1/2"	1	10
	522FSST04	3/4"	1	9
	522FSST05	1"	1	5
	522FSST06	1-1/4"	1	4
	522FSST07	1-1/2"	1	3
	522FSST08	2"	1	2



522FSSW

522FSSW	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Forged Stainless Steel Check Valves - Class 800</b>				
	<b>ASTM A182/316L</b>		<b>API 602</b>	
	<b>Maximum Pressure 1975 PSI</b>		<b>Maximum Temperature 850°</b>	
	<b>Bolted Bonnet</b>		<b>NACE MR0175</b>	
	<b>SW</b>			
	522FSSW03	1/2"	1	10
	522FSSW04	3/4"	1	9
	522FSSW05	1"	1	5
	522FSSW06	1-1/4"	1	4
	522FSSW07	1-1/2"	1	3
	522FSSW08	2"	1	2

# Cast Steel Gate, Globe & Check Valves



400CSF

400CSF	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Flanged Cast Steel Gate Valve - 150LB.</b>				
Maximum Pressure 285 PSI ASTM A216 WCB Outside Screw & Yoke NACE MR0175			Maximum Temperature 1000° Bolted Bonnet API 600	
	400CSF08	2"	1	50
	400CSF09	2-1/2"	1	40
	400CSF10	3"	1	32
	400CSF11	4"	1	20
	400CSF13	6"	1	16
	400CSF14	8"	1	6
	400CSF15	10"	1	4
	400CSF16	12"	1	4



405CSF

405CSF	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Flanged Cast Steel Globe Valve - 150LB.</b>				
Maximum Pressure 285 PSI ASTM A216 WCB Outside Screw & Yoke NACE MR0175			Maximum Temperature 1000° Bolted Bonnet	
	405CSF08	2"	1	50
	405CSF09	2-1/2"	1	40
	405CSF10	3"	1	32
	405CSF11	4"	1	24
	405CSF13	6"	1	9
	405CSF14	8"	1	4
	405CSF15	10"	1	4
	405CSF16	12"	1	2



422CSF

422CSF	MATCO-NORCA MODEL NUMBER	SIZE	CARTON QUANTITIES	
			INNER	MASTER
<b>Flanged Cast Steel Swing Check Valve - 150LB.</b>				
Maximum Pressure 285 PSI ASTM A216 WCB NACE MR0175			Maximum Temperature 1000° Bolted Bonnet	
	422CSF08	2"	1	60
	422CSF09	2-1/2"	1	60
	422CSF10	3"	1	45
	422CSF11	4"	1	24
	422CSF13	6"	1	12
	422CSF14	8"	1	6
	422CSF15	10"	1	3
	422CSF16	12"	1	2

# 316 Stainless Steel - Gate, Globe, & Check Valves, Y Strainers



40SSTH

## 40SSTH

**MATCO-NORCA  
MODEL NUMBER**

**SIZE**

**CARTON QUANTITIES  
INNER MASTER**

### 316 Stainless Steel Gate Valve - 200 PSI - NRS

W.P. 200 WOG  
NPT

Maximum Temperature 392°

40SSTH03	1/2"	30	60
40SSTH04	3/4"	25	50
40SSTH05	1"	20	40
40SSTH06	1-1/4"	15	30
40SSTH07	1-1/2"	10	20
40SSTH08	2"	5	10



50SSTH

## 50SSTH

### 316 Stainless Steel Globe Valve - 200 PSI - NRS

W.P. 200 WOG  
NPT

Maximum Temperature 392°

50SSTH03	1/2"	40	80
50SSTH04	3/4"	30	60
50SSTH05	1"	20	40
50SSTH06	1-1/4"	15	30
50SSTH07	1-1/2"	10	20
50SSTH08	2"	6	12



60SSTH

## 60SSTH

### 316 Stainless Steel Swing Check Valve - 200 PSI

W.P. 200 WOG  
NPT

Maximum Temperature 392°

60SSTH03	1/2"	25	50
60SSTH04	3/4"	16	32
60SSTH05	1"	12	24
60SSTH06	1-1/4"	9	18
60SSTH07	1-1/2"	10	20
60SSTH08	2"	8	16



70SSTH

## 70SSTH

### 316 Stainless Steel Y Strainer

W.P. 800 WOG  
40 Mesh Screen  
NPT

Maximum Temperature 392°

70SSTH03	1/2"	30	60
70SSTH04	3/4"	25	50
70SSTH05	1"	16	32
70SSTH06	1-1/4"	10	20
70SSTH07	1-1/2"	12	24
70SSTH08	2"	5	10

# Direct Mount Packages



## BEV9 Actuated package

- Size range: 1/2" - 2"
- Pressure rated for 1000 WOG
- 316 Stainless steel construction
- Live loaded stem seal design
- Full Port
- Threaded Ends (FNPT)



## EZ99 Actuated package

- Size range: 1/4" - 2"
- Pressure rated for 1000 WOG
- 316 Stainless Steel construction
- Live-loaded stem seal design
- Full Port
- Screwed Ends (FNPT) standard



## BZ9 Actuated package

- Size range 1/2" - 2"
- Bronze 3-piece ball valve
- Pressure rated for 600 psi
- Full Port flow path for maximum flow
- Built-In ISO 5211 direct mounting pad for easy automation
- End connections include SE (Screwed Ends, FNPT)



## SB9 Actuated package

- Size range 1/2" - 2"
- Sanitary Ball Valve
- 316 Stainless steel construction. Seat and body seal material complies with FDA CFR Title 21 Part 177.1550
- "Tube-ID" flow path for drainability
- Interior finish of 20Ra and Silicone Free
- Blowout proof stem adds safety & reliability
- Tri clamp end connections
- Standard Anti-Static Device

# Direct Mount Packages

## **SVF Flow Controls**



### **B41 Actuated package**

- Size range 1/2" - 8"
- Fire Safe Certification to API 607
- Stainless steel construction
- Standard NACE MR 0175
- Full Port
- TFM seat material
- Live-loaded stem packing ensures seal-tight pressure containment



### **MB51 Actuated package**

- Size range 1/2" - 4"
- Multi-ported, Flanged 3-way Ball Valve
- L-Port and T-Port options
- Positive shut-off on any of the three ports
- Complete 316 Stainless Steel construction
- Full Port Flow Path
- ANSI 150 Flanged Ends



### **MZ9 Actuated package**

- Size range 1/2" - 2"
- Economical 3-Way Ball Valve
- Pressure rated for 1000 WOG
- L-Port and T-Port options
- Positive shut-off on any of the three ports
- Full Port flow path for maximum flow
- Complete 316 Stainless Steel construction
- Threaded Ends (FNPT)

## *StreamLine*



### **SERIES SL Actuated package**

- Size range 2" - 12"
- Epoxy coated Ductile Iron Body
- 316 Stainless disc
- ISO 5211 Direct Mount pad
- Lug or Wafer design

# Stainless Steel Fittings

SSF304, SSF306

## 150 LB. 304 & 316 Stainless Steel Fittings

- Casting Conforms to ASTM A351
- NPT Threads Conform to ASME B1.20.1
- ISO 9001:2008 Certified
- RoHS Compliant
- Fittings Meet Applicable Chemical & Physical Properties
- 90° Elbow, 90° Street Elbow, 45° Elbow, Tee, Hex Head Plug, Square Head Plug, Union, Cap, Coupling, Half Coupling, Reducing Coupling, Bushing
- Sizes 1/8" - 4" Diameter



90° Elbow



90° Street Elbow



45° Elbow



Tee



Hex Head Plug



Square Head Plug



Cap



Union



Coupling



Half Coupling



Reducing Coupling



Bushing

# Forged Steel Fittings & Branch Outlets

## FT2

### Class 2000 Forged Steel Fittings - Threaded



90° Elbow



45° Elbow

- Meets All Applicable ANSI & MSS Standards
- Material Conforms with ASTM A105N
- Material Test Reports (MTR'S) Available
- 90° Elbow, 45° Elbow, Tee, Cross
- Sizes 1/8" - 4"

## FT3, FTBU, FTHP, FTRP, FTSP, FW3

### Class 3000 Forged Steel Fittings - Threaded & Socket Weld



90° Elbow



90° Street Elbow

- Meets All Applicable ANSI & MSS Standards
- Material Conforms with ASTM A105N
- Material Test Reports (MTR'S) Available
- Threaded: 90° Elbow, 90° Street Elbow, 45° Elbow, Tee, Reducing Tee, Cross, Hex Head Plug, Square Head Plug, Round Head Plug, Union, Cap, Coupling, Half Coupling, Reducing Coupling, Hex Bushing
- Socket Weld: 90° Elbow, 45° Elbow, Tee, Cross, Union, Cap, Coupling, Half Coupling, Reducing Coupling, Reducing Insert
- Sizes 1/8" - 4"

## FT6, FW6

### Class 6000 Forged Steel Fittings - Threaded & Socket Weld



90° Elbow



45° Elbow

- Meets All Applicable ANSI & MSS Standards
- Material Conforms with ASTM A105N
- Material Test Reports (MTR'S) Available
- Threaded: 90° Elbow, 45° Elbow, Tee, Union, Cap, Coupling, Half Coupling
- Socket Weld: 90° Elbow, 45° Elbow, Tee, Union, Cap, Coupling, Half Coupling, Reducing Insert
- Sizes 1/4" - 4"

## T, SW, BW

### Forged Steel Branch Outlets - 3000# Threaded & Socket Weld, Schedule 80 Butt Weld



Threaded



Socket Weld



Butt Weld

- Material Conforms with ASTM A105N & MSS-SP-97
- Straight Through Bore Design
- Material Test Reports (MTR'S) Available
- Sizes 1/4" - 4"

# Weld Fittings & Flanges

MN

## Weld Fittings - Standard Weight & Extra Heavy



Long Radius 90° Elbow



45° Elbow



Tee



Reducing Tee



Cap



Concentric Reducer



Eccentric Reducer

- Standard & Extra Heavy Wall Dimensions
- Conforms to ASTM / ASME A/SA 234-WPB ANSI B16.9, B16.28 and B16.25
- Long Radius 90° Elbow, Short Radius 90° Elbow, 45° Elbow, Tee, Reducing Tee, Cap, Concentric Reducer, Eccentric Reducer
- Sizes 2" - 12"

MN

## Weld Flanges - 150 LB. & 300 LB.



MN300WF



MN150TF



MN150BF



MN150LF



MN300SWF



MN300SF

- 150 LB. and 300 LB. Pressure Rating
- Conforms to ASTM / ASME A/SA 105 ANSI B16.9 and B16.25
- 150 LB: Raised Face Blind, Flat Face Blind, Threaded Raised Face, Threaded Flat Face, Weld Neck Raised Face, XH Weld Neck Raised Face, Weld Neck Flat Face, Slip On Raised Face, Slip On Flat Face, Lap Joint Flat Face, Socket Weld Raised Face, XH Socket Weld Raised Face
- 300 LB: Raised Face Blind, Threaded Raised Face, Weld Neck Raised Face, XH Weld Neck Raised Face, Slip On Raised Face, Lap Joint Flat Face, Socket Weld Raised Face, XH Socket Weld Raised Face
- 150 LB: Sizes 2" - 12"
- 300 LB: Sizes 2" - 8"



# Stainless Steel & Schedule 80 Seamless Nipples

## SSN304, SSN306 304 & 316 Stainless Steel Nipples



- Dimensions & Ends Conform to ASTM A733
- Conforms to ASTM A312
- Threads Conform to ASTM B1.20.1
- RoHS Compliant
- Material Test Reports (MTR'S) Available
- Lead Free
- Sizes 1/8" - 4" Diameter

## NXBS Schedule 80 Seamless Nipples



- Meets or Exceeds All Applicable ASTM & ANSI Standards
- Material Test Reports (MTRs) Available
- Schedule 80
- ISO 9001: 2000
- Lead Free
- Sizes 1/8" - 4" Diameter







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