

VALVOLE A SFERA ATEX E ANTINCENDIO



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Valvole a sfera per ambienti ATEX e per applicazioni antincendio. Diverse tipologie di connessioni (es. ASME, DN) e grandezze fino a DN 300.

Ogni valvola è dotata di certificato ATEX e a disposizione anche il certificato antincendio. Esse trovano applicazione nel settore petrolchimico, chimico, sistemi di antincendio, marina e applicazioni criogeniche

REFERENZE



MAERSK
OIL



galp energia



TOTAL



GE Oil & Gas



Air Liquide
creative oxygen

ارامكو السعودية
Saudi Aramco



Statoil



APPLICAZIONI



Oil & Gas



Raffinerie



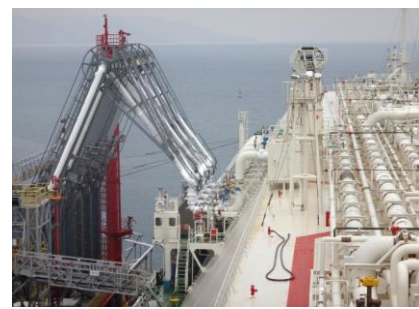
Petrochimico



Chimico



Criogenia



Marina

MONTAGGIO

Series	Connect.	Material	ASME C1150 PN20	ASME C1300 PN50	ASME C1600/400 PN100/69	ASME C1900/800 PN150/138	ASME C11500 PN250	ASME C12500 PN420	Page
FLOATING BALL - SOFT SEATS			FULL BORE SIZES (DN)						
XF	Theaded SW-BW Nipple	Cast		4" 100	3/8" to 3" 10 to 80				3
SF	Theaded SW-BW Nipple	Forged or Barstock			2" to 4" 50 to 100	3/8" to 1 1/2" 10 to 40			4
HF	Theaded SW-BW Nipple	Forged or Barstock				2" to 3" 50 to 80	1/2" to 1 1/2" 15 to 40	1/2" to 1 1/2" 15 to 40	5
CF	Flanged	Cast	1/2" to 8" 15 to 200	1/2" to 8" 15 to 200	1/2" to 2" 15 to 50				6
BF	Flanged	Forged or Barstock	1/2" to 6" 15 to 150	1/2" to 6" 15 to 150	1/2" to 4" 15 to 100				7
HF	Flanged	Forged or Barstock				2" to 3" 50 to 80	1/2" to 1 1/2" 15 to 40	1/2" to 1 1/2" 15 to 40	8
TRUNNION MOUNTED - SOFT SEATS			FULL BORE SIZES (DN)						
VTR	Flanged Nipples	Forged or Barstock	2" to 12" 50 to 300	2" to 12" 50 to 300	2" to 10" 50 to 250	2" to 10" 50 to 250	1/2" to 8" 15 to 200	1/2" to 6" 15 to 150	9
KTR	Flanged	Cast	6" to 12" 150 to 300	6" to 12" 150 to 300					10
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CERTIFICATI

ISO 9001 Quality Assurance System

Fire Safe acc. to ISO 10497 and API 607

CE marking Pressure equipment (2014/68/EU Directive)

Fugitive emissions tightness acc. to ISO 15848 and TA-Luft

ATEX Conformity with Directive 2014/34/EU (II2GD)

Cryogenic service valves acc. to ISO 28921

VALVOLE A SFERA ATEX E ANTINCENDIO

XF Series

CI600 (PN100)

DN ¾" to 1½" FB
DN ½" to 2" RB

CI400 (PN64)

DN 2" to 3" FB
DN 2½" to 4" RB

CI300 (PN50)

DN 4" FB
DN 6" RB

ASME Pressure Ratings

Connections

Threaded BSP/BSPP; BSPT; NPT
Socketweld B16.11

Buttweld Sch.10 to XXS
Nipples

General Features

3 Piece Bolted Construction | Floating Ball
Top Flange ISO 5211 | Fire Safe and Antistatic
Temperature range -29° up to + 260°C

Materials



	Standard	Optional
Body / Ends	Carbon Steel A216 WCB A352 LCC	Duplex CD3MN equiv. 4A
	Stainless Steel A351 CF3M A351 CF3	Super Duplex CD3MWCuN equiv. 6A
Ball	F316/CF8M F304/CF8	AISI 410/CA15 A182 F51; F55
Seats	CG-RPTFE	PTFE; TFM; PEEK; DEVLON
Packing / Seals	GRAPHITE	TFM; RPTFE
Bolting	A193 Gr. B7 A193 Gr. B8M	A193 Gr. B7M A320 Gr. L7; A320 Gr. L7M

Other materials available on request

Options

CI800 | DN ¾" to 1½" FB
DN ½" to 2" RB

CI600 | DN2" FB
DN 2½" RB



FLOATING BALL

SF Series

Connections	Threaded BSP/BSPP; BSPT; NPT
	Socketweld B16.11
General Features	Buttweld Sch.10 to XXS
	Nipples

CI800 (PN138)

DN ¾" to 1½" FB
DN ½" to 2" RB

CI600 (PN100)

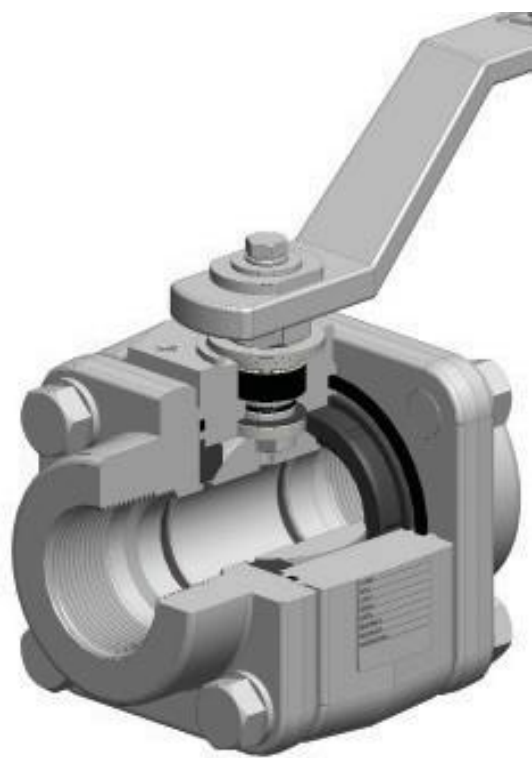
DN 2" to 3" FB
DN 2½" to 4" RB

CI400 (PN64)

DN 4" FB
DN 6" RB

ASME Pressure Ratings

Materials



	Standard	Optional
Body / Ends	Carbon Steel A105N A350 LF2	Duplex A182 F51 (S31803)
	Stainless Steel A182 F316-316L A182 F304-304L	Super Duplex A182 F53 (S32750) A182 F55 (S32760)
Ball	F316/CF8M F304/CF8	AISI 410/CA15 A182 F51; F53; F55
Seats	CG-RPTFE	PTFE; TFM; PEEK; DEVLON
Packing / Seals	GRAPHITE	TFM; RPTFE
Bolting	A193 Gr. B7 A193 Gr. B8M	A193 Gr. B7M A320 Gr. L7; A320 Gr. L7M

Other materials : LF3; F44; INCONEL; MONEL; TITANIUM;BRONZE

Options

CI900 | DN ¾" to 2" FB
DN ½" to 2 ½" RB

CI150/300 | DN 6" to 8" FB
DN 8" to 10" RB



VALVOLE A SFERA ATEX E ANTINCENDIO

HF Series

CI900 (PN150)

DN 2" to 3" FB
DN 2½" to 4" RB

CI1500 (PN250)

DN ½" to 1½" FB
DN ¾" to 2" RB

CI2500 (PN420)

DN ½" to 1½" FB
DN ¾" to 2" RB

ASME Pressure Ratings

Connections

Threaded BSPT; NPT
Socketweld B16.11
Buttweld Sch.40 to XXS
Nipples

General Features

3 Piece Bolted Construction | Floating Ball
Top Flange ISO 5211 | Fire Safe and Antistatic
Temperature range -29° up to + 260°C

Materials



	Standard	Optional
Body / Ends	Carbon Steel A105N A350 LF2	Duplex A182 F51 (S31803)
	Stainless Steel A182 F316-316L A182 F304-304L	Super Duplex A182 F53 (S32750) A182 F55 (S32760)
Ball	F316/CF8M F304/CF8	AISI 410/CA15 A182 F51; F53; F55
Seats	DEVLON	PEEK; DELRIN
Packing / Seals	GRAPHITE	TFM; RPTFE
Bolting	A193 Gr. B7 A193 Gr. B8M	A193 Gr. B7M A320 Gr. L7; A320 Gr. L7M

Other materials : LF3; F44; INCONEL; MONEL; TITANIUM

Options

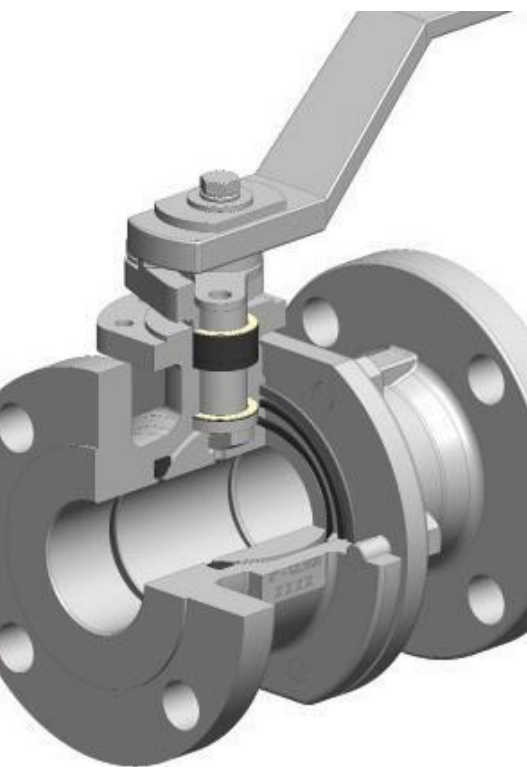
ASME and DIN Flanged Ends



CF Series

Connections ASME Flanged RF
ASME Flanged RTJ
ASME Flanged PF

General Features 2 Piece Split Body Construction | Floating Ball
Top Flange ISO 5211 | Fire Safe and Antistatic
Temperature range -29° up to + 260°C



Options

CI300 | DN 6" FB and 8" FB Supported Ball

DIN Flanged Ends

CI150 (PN20)

DN ½" to 8" FB

CI300 (PN50)

DN ½" to 8" FB

CI600 (PN100)

DN ½" to 2" FB

ASME Pressure Ratings

Materials

	Standard	Optional
Body / Ends	Carbon Steel A216 WCB A352 LCC	Duplex CD3MN equiv. 4A
	Stainless Steel A351 CF3M A351 CF3	Super Duplex CD3MWCuN equiv. 6A
Ball	F316/CF8M F304/CF8	AISI 410/CA15 A182 F51; F55
Seats	CG-RPTFE	PTFE; TFM; PEEK; DEVLON
Packing / Seals	GRAPHITE	TFM; RPTFE
Bolting	A193 Gr. B7 A193 Gr. B8M	A193 Gr. B7M A320 Gr. L7; A320 Gr. L7M

Other materials available on request



VALVOLE A SFERA ATEX E ANTINCENDIO

BF Series

CI150 (PN20)

DN ½" to 6" FB

CI300 (PN50)

DN ½" to 6" FB

CI600 (PN100)

DN ½" to 4" FB

ASME Pressure Ratings

Connections

ASME Flanged RF

ASME Flanged RTJ

ASME Flanged PF

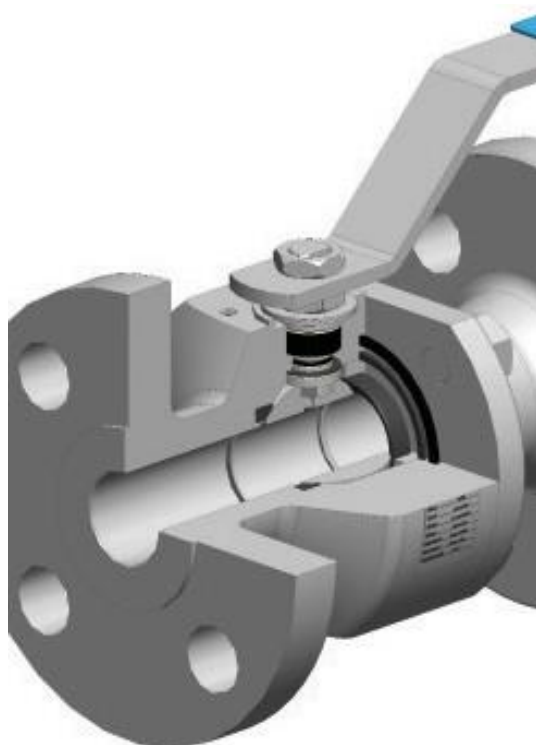
General Features

2 Piece Split Body Construction | Floating Ball

Top Flange ISO 5211 | Fire Safe and Antistatic

Temperature range -29° up to + 260°C

Materials



	Standard	Optional
Body / Ends	Carbon Steel A105N A350 LF2	Duplex A182 F51 (S31803)
	Stainless Steel A182 F316-316L A182 F304-304L	Super Duplex A182 F53 (S32750) A182 F55 (S32760)
Ball	F316/CF8M F304/CF8	AISI 410/CA15 A182 F51; F53; F55
Seats	CG-RPTFE	PTFE; TFM; PEEK; DEVLON
Packing / Seals	GRAPHITE	TFM; RPTFE
Bolting	A193 Gr. B7 A193 Gr. B8M	A193 Gr. B7M A320 Gr. L7; A320 Gr. L7M

Other materials : LF3; F44; INCONEL; MONEL; TITANIUM; BRONZE

Options

DIN Flanged Ends

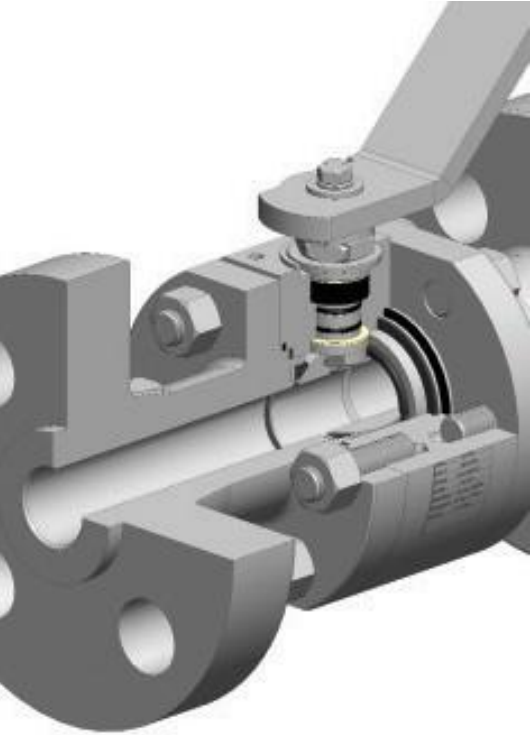
Reduced Bore Version



HF Series

Connections	ASME Flanged RF ASME Flanged RTJ	<u>CI900</u> (PN150) DN 2" to 3" FB <u>CI1500</u> (PN250) DN ½" to 1½" FB <u>CI2500</u> (PN420) DN ½" to 1½" FB ASME Pressure Ratings
General Features	3 Piece Bolted Construction Floating Ball Top Flange ISO 5211 Fire Safe and Antistatic Temperature range -29° up to + 260°C	

Materials

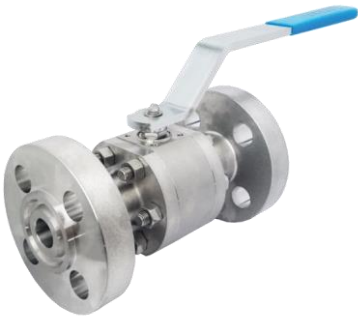


	Standard	Optional
Body / Ends	Carbon Steel A105N A350 LF2 Stainless Steel A182 F316-316L A182 F304-304L	Duplex A182 F51 (S31803) Super Duplex A182 F53 (S32750) A182 F55 (S32760)
Ball	F316/CF8M F304/CF8	AISI 410/CA15 A182 F51; F53; F55
Seats	DEVLON	PEEK; DELRIN
Packing / Seals	GRAPHITE	TFM; RPTFE
Bolting	A193 Gr. B7 A193 Gr. B8M	A193 Gr. B7M A320 Gr. L7; A320 Gr. L7M

Other materials : LF3; F44; INCONEL; MONEL; TITANIUM;BRONZE

Options

- DIN Flanged Ends
- Reduced Bore Version



VTR Series

Connections	ASME Flanged RF	CI150 (PN20)	CI900 (PN150)
	ASME Flanged RTJ	DN 2" to 12" FB DN 3" to 14" RB	DN 2" to 10" FB DN 3" to 12" RB
General Features	Nipples	CI300 (PN50)	CI1500 (PN250)
	3 Piece Bolted Construction Trunnion Mounted Top Flange ISO 5211 Fire Safe and Antistatic Temperature range -29° up to + 260°C	DN 2" to 12" FB DN 3" to 14" RB	DN ½" to 8" FB DN ¾" to 10" RB
		CI600 (PN100)	CI2500 (PN420)
		DN 2" to 10" FB DN 3" to 12" RB	DN ½" to 6" FB DN ¾" to 8" RB
ASME Pressure Ratings			



Materials

	<i>Standard</i>	<i>Optional</i>
Body / Ends	Carbon Steel A105N A350 LF2	Duplex A182 F51 (S31803)
	Stainless Steel A182 F316-316L A182 F304-304L	Super Duplex A182 F53 (S32750) A182 F55 (S32760)
Ball	F316/CF8M F304/CF8	AISI 410/CA15 A182 F51; F53; F55
Seats	CG-RPTFE; DEVLON	PTFE; TFM; PEEK; DELRIN
Spring	INCONEL X-750	INCONEL 718
Packing / Seals	GRAPHITE	TFM; RPTFE
Bolting	A193 Gr. B7 A193 Gr. B8M	A193 Gr. B7M A320 Gr. L7; A320 Gr. L7M

Other materials : LF3; F44; INCONEL; MONEL; TITANIUM

Options

Single or Double Piston
Lip Seal
Sealant Injection
Drain and Vent Plug



TRUNNION MOUNTED

KTR Series

Connections	ASME Flanged RF ASME Flanged RTJ	CI150 (PN20) DN 6" to 12" FB CI300 (PN50) DN 6" to 12" FB ASME Pressure Ratings
General Features	2 Piece Split Body Construction Trunnion Mounted Top Flange ISO 5211 Fire Safe and Antistatic Temperature range -29° up to + 260°C	

Materials



	Standard	Optional
Body / Ends	Carbon Steel A216 WCB A352 LCC Stainless Steel A351 CF3M A351 CF3	Duplex CD3MN equiv. 4A Super Duplex CD3MWCuN equiv. 6A
Ball	F316/CF8M F304/CF8	AISI 410/CA15 A182 F51; F55
Seats	CG-RPTFE	PTFE; TFM; PEEK; DEVLON
Spring	INCONEL X-750	INCONEL 718
Packing / Seals	GRAPHITE	TFM; RPTFE
Bolting	A193 Gr. B7 A193 Gr. B8M	A193 Gr. B7M A320 Gr. L7; A320 Gr. L7M

Other materials available on request

Options

- Single or Double Piston
- Lip Seal
- Sealant Injection
- Drain and Vent Plug



Series	Material	ASME CI150 PN20	ASME CI300 PN50	ASME CI600/400 PN100/69	ASME CI900/800 PN150/138	ASME CI1500 PN250
FLOATING BALL - SOFT SEATS		FULL BORE SIZES (DN)				
XC	Cast		4" 100	3/8" to 3" 10 to 80		
SC	Forged Barstock			2" to 4" 50 to 100	3/8" to 1 1/2" 10 to 40	
CC	Cast	1/2" to 8" 15 to 200	1/2" to 8" 15 to 200	1/2" to 2" 15 to 50		
BC	Forged Barstock	1/2" to 6" 15 to 150	1/2" to 6" 15 to 150	1/2" to 4" 15 to 100		
TRUNNION MOUNTED - SOFT SEATS		FULL BORE SIZES (DN)				
VTC	Forged Barstock	2" to 12" 50 to 300	2" to 12" 50 to 300	2" to 10" 50 to 250	2" to 10" 50 to 250	1/2" to 8" 15 to 200
KTC	Cast	6" to 12" 150 to 300	6" to 12" 150 to 300			

Temperature Range Levels

Type A -29°C (-20°F) to -50°C (-58°F)

Features:

Stem Extension 100- 200mm length
Standard TFM Seats

Type B -51°C (-60°F) to -109°C (-164°F)

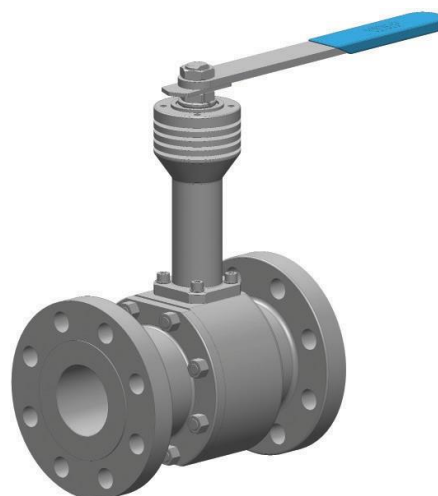
Features:

Stem Extension 200- 400mm length
Standard TFM Seats

Type C -110°C (-166°F) to -196°C (-321°F)

Features:

Stem Extension 200- 400mm length
Spring-loaded TFM Seats
Uni-directional Flow



CRYOGENIC SERVICE

Series	Material	ASME CI150 PN20	ASME CI300 PN50	ASME CI600/400 PN100/69	ASME CI900/800 PN150/138	ASME CI1500 PN250
FLOATING BALL						
FULL BORE SIZES (DN)						
XM	Cast	$\frac{2\frac{1}{2}}{65}$ to $\frac{4}{100}$ "	$\frac{1}{2}$ to $\frac{2}{50}$ "			
SM	Forged Barstock	$\frac{2\frac{1}{2}}{65}$ to $\frac{4}{100}$ "	$\frac{1}{2}$ to $\frac{2}{50}$ "			
CM	Cast	$\frac{1}{2}$ to $\frac{6}{15}$ "	$\frac{1}{2}$ to $\frac{2}{50}$ "			
BM	Forged Barstock	$\frac{1}{2}$ to $\frac{6}{15}$ "	$\frac{1}{2}$ to $\frac{2}{50}$ "			
TRUNNION MOUNTED						
FULL BORE SIZES (DN)						
VTM	Forged Barstock	$\frac{2}{50}$ to $\frac{8}{200}$ "	$\frac{2}{50}$ to $\frac{8}{200}$ "	$\frac{2}{50}$ to $\frac{6}{150}$ "	$\frac{2}{50}$ to $\frac{6}{150}$ "	$\frac{1}{2}$ to $\frac{4}{15}$ "
KTM	Cast	$\frac{6}{150}$ to $\frac{8}{200}$ "	$\frac{6}{150}$ to $\frac{8}{200}$ "			

Temperature Range Levels

Type A -29°C (-20°F) to 250°C (482°F)

Features:

Ball/ Seat Coatings: TCC, CCC
Floating Ball Uni-directional
Trunnion Mounted Bi-directional

Applications:

Slurries (Abrasive), Pulp Stock, Solid-containing fluids

Type B -29°C (-20°F) to 400°C (752°F)

Features:

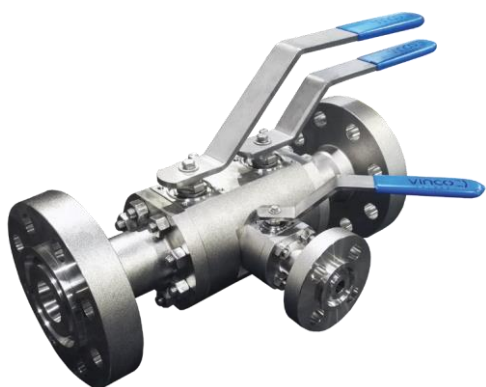
Ball/ Seat Coatings: TCC, CCC
Bonnet for actuation
Floating Ball Uni-directional
Trunnion Mounted Bi-directional

Applications:

Slurries, Steam, Solid-containing fluids, High-Temperature fluids



DF/DTR SERIES



**Twin Ball - Double Block & Bleed
Floating Ball and Trunnion Mounted**

Cl150 to Cl2500

DN ½" (15) to 8" (200)

Threaded, Socketweld, Buttweld and Flanged Ends

CS A105; LF2 and SS F316; F304

Duplex, Super Duplex, others.

MF SERIES

**Multi Ways - 4 Seats
Floating Ball**

Cl150 to Cl600

DN ½" (15) to 2" (50)

Threaded, Socketweld, Buttweld

Nipples, Flanged Ends

CS A105; LF2 and SS F316; F304

Duplex, Super Duplex, others.



MANUAL OPERATION AND CONTROLS

- Locking Systems
- Raised and Oval Handles
- Gear Boxes
- Spring Return Handles
- Fire Fail Safe System
- Limit Switches



AUTOMATION



- Actuators
 - Pneumatic*
 - Electric*
 - Hydraulic*
- Accessories
 - Limit Switches*
 - Solenoids*
 - Positioners*