



# Varnasan

Vana Sanayi ve Ticaret A.Ş.



## 2022 PRICE LIST V05

VARNASAN VALVE INDUSTRY & TRADE INC. was established in 1976 and continue it's production over 3500m<sup>2</sup> closed area with modern work and trained labor. VARNASAN VALVE INDUSTRY & TRADE INC. has an important mark in the sector with the armatures had produced. Paid attention for manufacturing standard and high quality products since the company was established, is one of the main factors resulted the firm to get this position in the sector.

VARNASAN VALVE INDUSTRY & TRADE INC. first entered to market with ball valves and continue to enlarging it's product family. VARNASAN VALVE INDUSTRY & TRADE INC. attaches importance to development and consistently renew itself. VARNASAN VALVE INDUSTRY & TRADE INC. has added 2 pieces flanged ball valve, 2 pieces threaded ball valve, wafer type flanged ball valve , disc check valve and wafer type butterfly valves to it's product range in the direction of customer requirements.



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**3 PIECES FLANGED FULL BORE BALL VALVES**



Product Code: V-M3P-04-04F

Product Code: V-M3P-05-04F

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

Optionally it can be produced as direct connection with actuator.  
 In this case ask for price

| STAINLESS STEEL |        | PN16 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |
| DN125           | 5"     |      |
| DN150           | 6"     |      |
| DN200           | 8"     |      |

**3 PIECES FLANGED FULL BORE BALL VALVES**



Product Code: V-M3P-04-07F

Product Code: V-M3P-05-07F

Pressure Class : PN 40  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

Optionally it can be produced as direct connection with actuator.  
 In this case ask for price

| STAINLESS STEEL |        | PN40 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |
| DN125           | 5"     |      |
| DN150           | 6"     |      |
| DN200           | 8"     |      |

**3 PIECES THREADED FULL BORE BALL VALVES**



Product Code: V-M3P-04-05D

Product Code: V-M3P-05-05D

Pressure Class : PN 40  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

Optionally it can be produced as direct connection with actuator.  
 In this case ask for price

| STAINLESS STEEL |        | PN40 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |

# STAINLESS STEEL BALL VALVES



## 2 PIECES FLANGED FULL BORE BALL VALVES ISO 5211 DIRECT CONNECTION



**Product Code: V-I2P-04-04F**  
**Product Code: V-I2P-05-04F**  
 Pressure Class : PN 16-40  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

| STAINLESS STEEL |        | PN16-40 |
|-----------------|--------|---------|
| SIZE            |        |         |
| DN15            | 1/2"   | PN40    |
| DN20            | 3/4"   |         |
| DN25            | 1"     |         |
| DN32            | 1 1/4" |         |
| DN40            | 1 1/2" |         |
| DN50            | 2"     | PN16    |
| DN65            | 2 1/2" |         |
| DN80            | 3"     |         |
| DN100           | 4"     |         |

## 2 PIECES THREADED FULL BORE BALL VALVES



**Product Code: V-I2P-04-08D**  
**Product Code: V-I2P-05-08D**  
 Pressure Class : PN 63  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

| STAINLESS STEEL |        | PN63 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN8             | 1/4"   |      |
| DN10            | 3/8"   |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |

Not suitable for actuator connection.

3 PIECES FLANGED FULL BORE BALL VALVES



Product Code: V-I3P-04-04F  
 Product Code: V-I3P-05-04F  
 Pressure Class : PN 16-40  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

Not suitable for actuator connection.

| STAINLESS STEEL |        | PN16-40 |
|-----------------|--------|---------|
| SIZE            |        |         |
| DN15            | 1/2"   | PN40    |
| DN20            | 3/4"   |         |
| DN25            | 1"     |         |
| DN32            | 1 1/4" |         |
| DN40            | 1 1/2" |         |
| DN50            | 2"     | PN16    |
| DN65            | 2 1/2" |         |
| DN80            | 3"     |         |
| DN100           | 4"     |         |

3 PIECES THREADED FULL BORE BALL VALVES



Product Code: V-I3P-04-08D  
 Product Code: V-I3P-05-08D  
 Pressure Class : PN 63  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

Not suitable for actuator connection.

| STAINLESS STEEL |        | PN63 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN8             | 1/4"   |      |
| DN10            | 3/8"   |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |

### 3 PIECES FLANGED FULL BORE BALL VALVES ISO 5211 DIRECT CONNECTION



Product Code: V-I3P-04-04F  
 Product Code: V-I3P-05-04F  
 Pressure Class : PN 16-40  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

| STAINLESS STEEL |        | PN16-40 |
|-----------------|--------|---------|
| SIZE            |        |         |
| DN15            | 1/2"   | PN40    |
| DN20            | 3/4"   |         |
| DN25            | 1"     |         |
| DN32            | 1 1/4" |         |
| DN40            | 1 1/2" |         |
| DN50            | 2"     | PN16    |
| DN65            | 2 1/2" |         |
| DN80            | 3"     |         |
| DN100           | 4"     |         |

### 3 PIECES THREADED FULL BORE BALL VALVES ISO 5211 DIRECT CONNECTION



Product Code: V-I3P-04-08D(304)  
 Product Code: V-I3P-05-08D(316)  
 Pressure Class : PN 63  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

| STAINLESS STEEL |        | PN63 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |

## 3 PIECES SOCKET WELD AND BUTT WELD FULL BORE BALL VALVES



Product Code: V-M3P-03-05K SOCKET  
 Product Code: V-M3P-03-05A BUTT

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 430

| CARBON STEEL |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |

Optionally it can be produced as direct connection with actuator.  
 In this case ask for price.

## 3 PIECES SOCKET WELD AND BUTT WELD FULL BORE BALL VALVES



Product Code: V-M3P-04-05K SOCKET 304  
 Product Code: V-M3P-04-05A BUTT 304  
 Product Code: V-M3P-05-05K SOCKET 316  
 Product Code: V-M3P-05-05A BUTT 316

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 316-304

| STAINLESS STEEL |        | PN16 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |

Optionally it can be produced as direct connection with actuator.  
 In this case ask for price.



## 3 WAY L TYPE BALL VALVES

### 3 PIECES FLANGED FULL BORE "L" TYPE BALL VALVES



Product Code: V-M3L-03-04F

Pressure Class : PN16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 430

| CARBON STEEL |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |
| DN125        | 5"     |      |
| DN150        | 6"     |      |

### 3 PIECES FLANGED FULL BORE "L" TYPE BALL VALVES



Product Code: V-M3L-04-04F 304  
 Product Code: V-M3L-05-04F 316

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

| STAINLESS STEEL |        | PN16 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |
| DN125           | 5"     |      |
| DN150           | 6"     |      |

### 3 PIECES THREADED FULL BORE "L" TYPE BALL VALVES



Product Code: V-M3L-03-05D

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 430

| CARBON STEEL |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |

### 3 PIECES THREADED FULL BORE "L" TYPE BALL VALVES



Product Code: V-M3L-04-05D  
 Product Code: V-M3L-05-05D

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

| STAINLESS STEEL |        | PN16 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |

3 PIECES FLANGED FULL BORE "T" TYPE BALL VALVES



Product Code: V-MT2-03-04F

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 430

| CARBON STEEL |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |

3 PIECES FLANGED FULL BORE "T" TYPE BALL VALVES



Product Code: V-MT2-01-04F  
 Product Code: V-MT2-02-04F

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

| STAINLESS STEEL |        | PN16 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |

3 PIECES THREADED FULL BORE "T" TYPE BALL VALVES



Product Code: V-MT2-03-05D

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 430

| CARBON STEEL |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |

3 PIECES THREADED FULL BORE "T" TYPE BALL VALVES



Product Code: V-MT2-04-05D 304  
 Product Code: V-MT2-05-05D 316

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

| STAINLESS STEEL |        | PN16 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |

# JACKETED 2 WAY 3 PIECES BALL VALVES

## 3 PIECES FLANGED FULL BORE JACKETED BALL VALVES



Product Code: V-M3P-03-05F(XXX)-2B-S1

Pressure Class : PN 16  
Temperature : -30/+180°C  
Seal : PTFE  
Ball : AISI 430

| CARBON STEEL |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |
| DN125        | 5"     |      |
| DN150        | 6"     |      |
| DN200        | 8"     |      |

## 3 PIECES FLANGED FULL BORE JACKETED BALL VALVES



Product Code: V-M3P-04-05F(XXX)-2B-S1 304  
Product Code: V-M3P-05-05F(XXX)-2B-S1 316

Pressure Class : PN 16  
Temperature : -30/+180°C  
Seal : PTFE  
Ball : AISI 304-316

| STAINLESS STEEL |        | PN16 / PN40   |               |
|-----------------|--------|---------------|---------------|
| SIZE            |        | BODY JACKETED | BODY JACKETED |
| DN15            | 1/2"   |               |               |
| DN20            | 3/4"   |               |               |
| DN25            | 1"     |               |               |
| DN32            | 1 1/4" |               |               |
| DN40            | 1 1/2" |               |               |
| DN50            | 2"     |               |               |
| DN65            | 2 1/2" |               |               |
| DN80            | 3"     |               |               |
| DN100           | 4"     |               |               |
| DN125           | 5"     |               |               |
| DN150           | 6"     |               |               |
| DN200           | 8"     |               |               |

## 3 PIECES FLANGED FULL BORE JACKETED BALL VALVES



Product Code: V-M3P-04-05F(XXX)-2B-S1 304  
Product Code: V-M3P-05-05F(XXX)-2B-S1 316

Pressure Class : PN 16  
Temperature : -30/+180°C  
Seal : PTFE  
Ball : AISI 304-316

| STAINLESS STEEL |        | PN16 / PN40   |               |
|-----------------|--------|---------------|---------------|
| SIZE            |        | FULL JACKETED | FULL JACKETED |
| DN15            | 1/2"   |               |               |
| DN20            | 3/4"   |               |               |
| DN25            | 1"     |               |               |
| DN32            | 1 1/4" |               |               |
| DN40            | 1 1/2" |               |               |
| DN50            | 2"     |               |               |
| DN65            | 2 1/2" |               |               |
| DN80            | 3"     |               |               |
| DN100           | 4"     |               |               |
| DN125           | 5"     |               |               |
| DN150           | 6"     |               |               |
| DN200           | 8"     |               |               |

## 3 PIECES THREADED FULL BORE JACKETED BALL VALVES



Product Code: V-M3P-03-05D(XXX)-2B-S1

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 430

| CARBON STEEL |        | PN16          |
|--------------|--------|---------------|
| SIZE         |        | BODY JACKETED |
| DN15         | 1/2"   |               |
| DN20         | 3/4"   |               |
| DN25         | 1"     |               |
| DN32         | 1 1/4" |               |
| DN40         | 1 1/2" |               |
| DN50         | 2"     |               |
| DN65         | 2 1/2" |               |

## 3 PIECES THREADED FULL BORE JACKETED BALL VALVES



Product Code: V-M3P-04-05D(XXX)-2B-S1 304  
 Product Code: V-M3P-05-05D(XXX)-2B-S1 316

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

| STAINLESS STEEL |        | PN16          |               |
|-----------------|--------|---------------|---------------|
| SIZE            |        | BODY JACKETED | BODY JACKETED |
| DN15            | 1/2"   |               |               |
| DN20            | 3/4"   |               |               |
| DN25            | 1"     |               |               |
| DN32            | 1 1/4" |               |               |
| DN40            | 1 1/2" |               |               |
| DN50            | 2"     |               |               |
| DN65            | 2 1/2" |               |               |
| DN80            | 3"     |               |               |
| DN100           | 4"     |               |               |

# JACKETED SHORT BLOCK BALL VALVES

## SHORT BLOCK FULL BORE JACKETED BALL VALVES ISO 5211 INDIRECT CONNECTION



**Product Code: V-MMB03-05F(XXX)-2B-S1**

Pressure Class : PN 40  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 430

| CARBON STEEL |        | PN40 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |
| DN125        | 5"     |      |
| DN150        | 6"     |      |
| DN200        | 8"     |      |

## SHORT BLOCK FULL BORE JACKETED BALL VALVES ISO 5211 INDIRECT CONNECTION



**Product Code: V-MMB04-05F(XXX)-2B-S1**  
**Product Code: V-MMB05-05F(XXX)-2B-S1**

Pressure Class : PN 40  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

| STAINLESS STEEL |        | PN40 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |
| DN125           | 5"     |      |
| DN150           | 6"     |      |
| DN200           | 8"     |      |



## 3 PIECES FLANGED "L" TYPE FULL BORE JACKETED BALL VALVES



Product Code: V-M3L-03-04F

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 430

| CARBON STEEL |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |
| DN125        | 5"     |      |
| DN150        | 6"     |      |

## 3 PIECES FLANGED "L" TYPE FULL BORE JACKETED BALL VALVES



Product Code: V-M3L-04-04F 304  
 Product Code: V-M3L-05-04F 316

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

| STAINLESS STEEL |        | PN16 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |
| DN125           | 5"     |      |
| DN150           | 6"     |      |

## 3 PIECES THREADED "L" TYPE FULL BORE JACKETED BALL VALVES



Product Code: V-M3L-03-05D

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 430

| CARBON STEEL |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |

## 3 PIECES THREADED "L" TYPE FULL BORE JACKETED BALL VALVES



Product Code: V-M3L-04-05D  
 Product Code: V-M3L-05-05D

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

| STAINLESS STEEL |        | PN16 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |

# SHORT BLOCK BALL VALVES



## SHORT BLOCK FULL BORE BALL VALVES

ISO 5211 INDIRECT CONNECTION



**Product Code: V-MMB03-07F**

Pressure Class : PN 40  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 430

Connection part is required for the actuator connection.

| CARBON STEEL |        | PN40 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |
| DN125        | 5"     |      |
| DN150        | 6"     |      |
| DN200        | 8"     |      |

## SHORT BLOCK FULL BORE BALL VALVES

ISO 5211 INDIRECT CONNECTION



**Product Code: V-MMB04-07F**  
**Product Code: V-MMB05-07F**

Pressure Class : PN 40  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

Connection part is required for the actuator connection.

| STAINLESS STEEL |        | PN40 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |
| DN125           | 5"     |      |
| DN150           | 6"     |      |
| DN200           | 8"     |      |

## WAFER TYPE FULL BORE BALL VALVES

ISO 5211 DIRECT CONNECTION



**Product Code: V-IMW-04-07F**  
**Product Code: V-IMW-05-07F**

Pressure Class : PN 16-40  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 304-316

Direct actuator connection can be made

| STAINLESS STEEL |        | PN16-40 |      |
|-----------------|--------|---------|------|
| SIZE            |        |         |      |
| DN15            | 1/2"   |         | PN40 |
| DN20            | 3/4"   |         |      |
| DN25            | 1"     |         |      |
| DN32            | 1 1/4" |         |      |
| DN40            | 1 1/2" |         |      |
| DN50            | 2"     |         | PN16 |
| DN65            | 2 1/2" |         |      |
| DN80            | 3"     |         |      |
| DN100           | 4"     |         |      |

### 3 PIECES FLANGED FULL BORE BALL VALVES

ISO 5211 DIRECT CONNECTION



**Product Code: V-M3P-01-07F**

Pressure Class : DN15-DN50>MOP 5-20  
DN65-DN200>PN40

Temperature : -30/+180°C

Seal : PTFE

Ball : AISI 430

Direct actuator connection is suitable for DN25 to DN200.  
Connection parts should be added for DN15 to DN20.

### 3 PIECES FLANGED FULL BORE BALL VALVES



**Product Code: V-M3P-03-07F**

Pressure Class : DN15-DN50>MOP 5-20  
DN65-DN200>PN40

Temperature : -30/+180°C

Seal : PTFE

Ball : AISI 430

Direct actuator connection is suitable for DN125 to DN200.  
Connection parts should be added for DN15 to DN100.

### 3 PIECES THREADED FULL BORE BALL VALVES

ISO 5211 DIRECT CONNECTION



**Product Code: V-M3P-01-30D**

Pressure Class : DN15-DN50>MOP 5-20  
DN65-DN200>PN40

Temperature : -30/+180°C

Seal : PTFE

Ball : AISI 430

Direct actuator connection is suitable for DN25 to DN200.  
Connection parts should be added for DN15 to DN20.

### 3 PIECES THREADED FULL BORE BALL VALVES



**Product Code: V-M3P-03-05D**

Pressure Class : DN15-DN50>MOP 5-20  
DN65-DN200>PN40

Temperature : -30/+180°C

Seal : PTFE

Ball : AISI 430

Direct actuator connection is suitable for DN125 to DN200.  
Connection parts should be added for DN15 to DN100.

#### DUCTILE IRON GGG40 PN40

| SIZE  |        | SOLID BALL<br>\$/PCS |
|-------|--------|----------------------|
| DN15  | 1/2"   |                      |
| DN20  | 3/4"   |                      |
| DN25  | 1"     |                      |
| DN32  | 1 1/4" |                      |
| DN40  | 1 1/2" |                      |
| DN50  | 2"     |                      |
| DN65  | 2 1/2" |                      |
| DN80  | 3"     |                      |
| DN100 | 4"     |                      |
| DN125 | 5"     |                      |
| DN150 | 6"     |                      |
| DN200 | 8"     |                      |

#### CARBON STEEL PN40

| SIZE  |        |  |
|-------|--------|--|
| DN15  | 1/2"   |  |
| DN20  | 3/4"   |  |
| DN25  | 1"     |  |
| DN32  | 1 1/4" |  |
| DN40  | 1 1/2" |  |
| DN50  | 2"     |  |
| DN65  | 2 1/2" |  |
| DN80  | 3"     |  |
| DN100 | 4"     |  |
| DN125 | 5"     |  |
| DN150 | 6"     |  |
| DN200 | 8"     |  |

#### DUCTILE IRON GGG40 MOP 5-20

| SIZE |        | \$/PCS |
|------|--------|--------|
| DN15 | 1/2"   |        |
| DN20 | 3/4"   |        |
| DN25 | 1"     |        |
| DN32 | 1 1/4" |        |
| DN40 | 1 1/2" |        |
| DN50 | 2"     |        |

#### CARBON STEEL MOP 5-20

| SIZE  |        |  |
|-------|--------|--|
| DN15  | 1/2"   |  |
| DN20  | 3/4"   |  |
| DN25  | 1"     |  |
| DN32  | 1 1/4" |  |
| DN40  | 1 1/2" |  |
| DN50  | 2"     |  |
| DN65  | 2 1/2" |  |
| DN80  | 3"     |  |
| DN100 | 4"     |  |

## CAST BALL VALVES

### 3 PIECES FLANGED FULL BORE BALL VALVES (SOLID BALL) ISO 5211 DIRECT CONNECTION



Product Code: V-M3P-02-04F

Pressure Class : PN 16  
Temperature : -30/+180°C  
Seal : PTFE  
Ball : AISI 430

Direct actuator connection is suitable for DN25 to DN200.  
Connection parts should be added for DN15 to DN20.

### 3 PIECES FLANGED FULL BORE BALL VALVES (SOLID BALL) ISO 5211 DIRECT CONNECTION



Product Code: V-M3P-01-07F

Pressure Class : PN 40  
Temperature : -30/+180°C  
Seal : PTFE  
Ball : AISI 430

Direct actuator connection is suitable for DN25 to DN200.  
Connection parts should be added for DN15 to DN20.

### 3 PIECES THREADED FULL BORE BALL VALVES (SOLID BALL) ISO 5211 DIRECT CONNECTION



Product Code: V-M3P-02-04D

Pressure Class : PN16  
Temperature : -30/+180°C  
Seal : PTFE  
Ball : AISI 430

Direct actuator connection is suitable for DN25 to DN50.  
Connection parts should be added for DN15 to DN20.

### 3 PIECES THREADED FULL BORE BALL VALVES (SOLID BALL) ISO 5211 DIRECT CONNECTION



Product Code: V-M3P-01-30D

Pressure Class : MOP 5-20  
Temperature : -30/+180°C  
Seal : PTFE  
Ball : AISI 430

Direct actuator connection is suitable for DN25 to DN50.  
Connection parts should be added for DN15 to DN20.

#### CAST IRON GG25 PN16

| SIZE  |        | SOLID BALL<br>\$/PCS. |
|-------|--------|-----------------------|
| DN15  | 1/2"   |                       |
| DN20  | 3/4"   |                       |
| DN25  | 1"     |                       |
| DN32  | 1 1/4" |                       |
| DN40  | 1 1/2" |                       |
| DN50  | 2"     |                       |
| DN65  | 2 1/2" |                       |
| DN80  | 3"     |                       |
| DN100 | 4"     |                       |
| DN125 | 5"     |                       |
| DN150 | 6"     |                       |
| DN200 | 8"     |                       |

#### DUCTILE IRON GGG40 PN40

| SIZE  |        | SOLID BALL<br>\$/PCS. |
|-------|--------|-----------------------|
| DN15  | 1/2"   |                       |
| DN20  | 3/4"   |                       |
| DN25  | 1"     |                       |
| DN32  | 1 1/4" |                       |
| DN40  | 1 1/2" |                       |
| DN50  | 2"     |                       |
| DN65  | 2 1/2" |                       |
| DN80  | 3"     |                       |
| DN100 | 4"     |                       |
| DN125 | 5"     |                       |
| DN150 | 6"     |                       |
| DN200 | 8"     |                       |

#### CAST IRON GG25 PN16

| SIZE |        | \$/PCS |
|------|--------|--------|
| DN15 | 1/2"   |        |
| DN20 | 3/4"   |        |
| DN25 | 1"     |        |
| DN32 | 1 1/4" |        |
| DN40 | 1 1/2" |        |
| DN50 | 2"     |        |

#### DUCTILE IRON GGG40 MOP 5-20

| SIZE |        | \$/PCS |
|------|--------|--------|
| DN15 | 1/2"   |        |
| DN20 | 3/4"   |        |
| DN25 | 1"     |        |
| DN32 | 1 1/4" |        |
| DN40 | 1 1/2" |        |
| DN50 | 2"     |        |

3 PIECES FLANGED FULL BORE BALL VALVES



Product Code: V-M3P-03-07F

Pressure Class : PN 16-40  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 430

Direct actuator connection is suitable for DN125 to DN200.  
 Connection parts should be added for DN15 to DN100.

| CARBON STEEL |        | PN40 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |
| DN125        | 5"     |      |
| DN150        | 6"     |      |
| DN200        | 8"     |      |

3 PIECES THREADED FULL BORE BALL VALVES



Product Code: V-M3P-03-05D

Pressure Class : PN 40  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 430

Direct actuator connection is suitable for DN125 to DN100.  
 Connection parts should be added for DN15 to DN100.

| CARBON STEEL |        | PN40 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |



# ANSI CLASS BALL VALVES (2 WAY, CARBON STEEL STAINLESS STEEL)



## 3 PIECES FLANGED FULL BORE BALL VALVES



Product Code: V-M3P-03-20F

Pressure Class : CLASS 150  
Temperature : -30/+180°C  
Seal : PTFE  
Ball : AISI 430

Direct actuator connection is suitable for DN125 to DN200.  
Connection parts should be added for DN15 to DN100.

| CARBON STEEL |        | CLASS 150 |
|--------------|--------|-----------|
| SIZE         |        |           |
| DN15         | 1/2"   |           |
| DN20         | 3/4"   |           |
| DN25         | 1"     |           |
| DN32         | 1 1/4" |           |
| DN40         | 1 1/2" |           |
| DN50         | 2"     |           |
| DN65         | 2 1/2" |           |
| DN80         | 3"     |           |
| DN100        | 4"     |           |
| DN125        | 5"     |           |
| DN150        | 6"     |           |
| DN200        | 8"     |           |

## 3 PIECES FLANGED FULL BORE BALL VALVES



Product Code: V-M3P-04-20F

Product Code: V-M3P-05-20F

Pressure Class : CLASS 150  
Temperature : -30/+180°C  
Seal : PTFE  
Ball : AISI 304-316

Direct actuator connection is suitable for DN125 to DN200.  
Connection parts should be added for DN15 to DN100.

| STAINLESS STEEL |        | CLASS 150 |
|-----------------|--------|-----------|
| SIZE            |        |           |
| DN15            | 1/2"   |           |
| DN20            | 3/4"   |           |
| DN25            | 1"     |           |
| DN32            | 1 1/4" |           |
| DN40            | 1 1/2" |           |
| DN50            | 2"     |           |
| DN65            | 2 1/2" |           |
| DN80            | 3"     |           |
| DN100           | 4"     |           |
| DN125           | 5"     |           |
| DN150           | 6"     |           |
| DN200           | 8"     |           |

## 3 PIECES FLANGED FULL BORE BALL VALVES



Product Code: V-M3P-03-21F

Pressure Class : CLASS 300  
Temperature : -30/+180°C  
Seal : PTFE  
Ball : AISI 430

Direct actuator connection is suitable for DN125 to DN200.  
Connection parts should be added for DN15 to DN100.

| CARBON STEEL |        | CLASS 300 |
|--------------|--------|-----------|
| SIZE         |        |           |
| DN15         | 1/2"   |           |
| DN20         | 3/4"   |           |
| DN25         | 1"     |           |
| DN32         | 1 1/4" |           |
| DN40         | 1 1/2" |           |
| DN50         | 2"     |           |
| DN65         | 2 1/2" |           |
| DN80         | 3"     |           |
| DN100        | 4"     |           |
| DN125        | 5"     |           |
| DN150        | 6"     |           |
| DN200        | 8"     |           |

## 3 PIECES FLANGED FULL BORE BALL VALVES



Product Code: V-M3P-04-21F

Product Code: V-M3P-05-21F

Pressure Class : CLASS 300  
Temperature : -30/+180°C  
Seal : PTFE  
Ball : AISI 304-316

Direct actuator connection is suitable for DN125 to DN200.  
Connection parts should be added for DN15 to DN100.

| STAINLESS STEEL |        | CLASS 300 |
|-----------------|--------|-----------|
| SIZE            |        |           |
| DN15            | 1/2"   |           |
| DN20            | 3/4"   |           |
| DN25            | 1"     |           |
| DN32            | 1 1/4" |           |
| DN40            | 1 1/2" |           |
| DN50            | 2"     |           |
| DN65            | 2 1/2" |           |
| DN80            | 3"     |           |
| DN100           | 4"     |           |
| DN125           | 5"     |           |
| DN150           | 6"     |           |
| DN200           | 8"     |           |

FLANGED NEEDLE VALVES



Product Code: V-MNV-03-12F

Pressure Class : PN 250  
 Temperature : -30/+180°C  
 Seal : PTFE

| CARBON STEEL |        | PN250 |
|--------------|--------|-------|
| SIZE         |        |       |
| DN15         | 1/2"   |       |
| DN20         | 3/4"   |       |
| DN25         | 1"     |       |
| DN32         | 1 1/4" |       |
| DN40         | 1 1/2" |       |
| DN50         | 2"     |       |

FLANGED NEEDLE VALVES



Product Code: V-MNV-04-12F 304  
 Product Code: V-MNV-05-12F 316

Pressure Class : PN 250  
 Temperature : -30/+180°C  
 Seal : PTFE

| STAINLESS STEEL |        | PN250 |
|-----------------|--------|-------|
| SIZE            |        |       |
| DN15            | 1/2"   |       |
| DN20            | 3/4"   |       |
| DN25            | 1"     |       |
| DN32            | 1 1/4" |       |
| DN40            | 1 1/2" |       |
| DN50            | 2"     |       |

THREADED NEEDLE VALVES



Product Code: V-MNV-03-12D

Pressure Class : PN 250  
 Temperature : -30/+180°C  
 Seal : PTFE

| CARBON STEEL |        | PN250 |
|--------------|--------|-------|
| SIZE         |        |       |
| DN8          | 1/4"   |       |
| DN10         | 3/8"   |       |
| DN15         | 1/2"   |       |
| DN20         | 3/4"   |       |
| DN25         | 1"     |       |
| DN32         | 1 1/4" |       |
| DN40         | 1 1/2" |       |
| DN50         | 2"     |       |

THREADED NEEDLE VALVES



Product Code: V-MNV-04-12D 304  
 Product Code: V-MNV-05-12D 316

Pressure Class : PN 250  
 Temperature : -30/+180°C  
 Seal : PTFE

| STAINLESS STEEL |        | PN250 |
|-----------------|--------|-------|
| SIZE            |        |       |
| DN8             | 1/4"   |       |
| DN10            | 3/8"   |       |
| DN15            | 1/2"   |       |
| DN20            | 3/4"   |       |
| DN25            | 1"     |       |
| DN32            | 1 1/4" |       |
| DN40            | 1 1/2" |       |
| DN50            | 2"     |       |

## 2 PIECES FLANGED FULL BORE BALL VALVES (HOLLOW BALL)



Product Code: V-M2P-02-03F(XXX)-7

Pressure Class : PN 10-16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : NICKEL COATED

Not suitable for actuator connection.

| CAST IRON GG25 |        | PN10-16 |
|----------------|--------|---------|
| SIZE           |        | \$/PCS  |
| DN25           | 1"     |         |
| DN32           | 1 1/4" |         |
| DN40           | 1 1/2" |         |
| DN50           | 2"     |         |
| DN65           | 2 1/2" |         |
| DN80           | 3"     |         |
| DN100          | 4"     |         |
| DN125          | 5"     |         |
| DN150          | 6"     |         |
| DN200          | 8"     |         |
| DN250          | 10"    |         |

| CAST IRON GG25 |        | PN10-16 |
|----------------|--------|---------|
| SIZE           |        | \$/PCS  |
| DN25           | 1"     |         |
| DN32           | 1 1/4" |         |
| DN40           | 1 1/2" |         |
| DN50           | 2"     |         |
| DN65           | 2 1/2" |         |
| DN80           | 3"     |         |
| DN100          | 4"     |         |
| DN125          | 5"     |         |
| DN150          | 6"     |         |
| DN200          | 8"     |         |
| DN250          | 10"    |         |

## 2 PIECES FLANGED FULL BORE BALL VALVES (SOLID BALL)



Product Code: V-M2P-02-04F(XXX)-2K

Pressure Class : PN16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Ball : AISI 430

Direct actuator connection is suitable for DN50 to DN200.  
 Connection parts should be added for DN25, DN32, and DN40.

| CAST IRON GG25 |        | PN16   |
|----------------|--------|--------|
| SIZE           |        | \$/PCS |
| DN25           | 1"     |        |
| DN32           | 1 1/4" |        |
| DN40           | 1 1/2" |        |
| DN50           | 2"     |        |
| DN65           | 2 1/2" |        |
| DN80           | 3"     |        |
| DN100          | 4"     |        |
| DN125          | 5"     |        |
| DN150          | 6"     |        |
| DN200          | 8"     |        |

| CAST IRON GG25 |        | PN16   |
|----------------|--------|--------|
| SIZE           |        | \$/PCS |
| DN25           | 1"     |        |
| DN32           | 1 1/4" |        |
| DN40           | 1 1/2" |        |
| DN50           | 2"     |        |
| DN65           | 2 1/2" |        |
| DN80           | 3"     |        |
| DN100          | 4"     |        |
| DN125          | 5"     |        |
| DN150          | 6"     |        |
| DN200          | 8"     |        |

**FLANGED FULL LIFT SAFETY VALVE**



**Product Code: V-MET-03-04F**

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

| CARBON STEEL | PN16 |
|--------------|------|
| SIZE         |      |
| DN15 - DN25  |      |
| DN20 - DN32  |      |
| DN25 - DN40  |      |
| DN32 - DN50  |      |
| DN40 - DN65  |      |
| DN50 - DN80  |      |
| DN65 - DN100 |      |
| DN80 - DN125 |      |

Working pressure can be adjusted according to the desired value.  
 Minimum setting pressure is 2 bar.

**FLANGED FULL LIFT SAFETY VALVE**



**Product Code: V-MET-04-04F 304**  
**Product Code: V-MET-05-04F 316**

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

| STAINLESS STEEL | PN16 |
|-----------------|------|
| SIZE            |      |
| DN15 - DN25     |      |
| DN20 - DN32     |      |
| DN25 - DN40     |      |
| DN32 - DN50     |      |
| DN40 - DN65     |      |
| DN50 - DN80     |      |
| DN65 - DN100    |      |
| DN80 - DN125    |      |

Working pressure can be adjusted according to the desired value.  
 Minimum setting pressure is 2 bar.

**THREADED FULL LIFT SAFETY VALVE**



**Product Code: V-MET-03-04D**

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

| CARBON STEEL    | PN16 |
|-----------------|------|
| SIZE            |      |
| 1/2" - 1"       |      |
| 3/4" - 1 1/4"   |      |
| 1" - 1 1/2"     |      |
| 1 1/4" - 2"     |      |
| 1 1/2" - 2 1/2" |      |
| 2" - 3"         |      |

Working pressure can be adjusted according to the desired value.  
 Minimum setting pressure is 2 bar.

**THREADED FULL LIFT SAFETY VALVE**



**Product Code: V-MET-04-04D 304**  
**Product Code: V-MET-05-04D 316**

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

| STAINLESS STEEL | PN16 |
|-----------------|------|
| SIZE            |      |
| 1/2" - 1"       |      |
| 3/4" - 1 1/4"   |      |
| 1" - 1 1/2"     |      |
| 1 1/4" - 2"     |      |
| 1 1/2" - 2 1/2" |      |
| 2" - 3"         |      |

Working pressure can be adjusted according to the desired value.  
 Minimum setting pressure is 2 bar.

# PROPORTIONAL LIFT SAFETY VALVES

## FLANGED PROPORTIONAL LIFT SAFETY VALVES



Product Code: V-MEO-03-04F

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

Working pressure can be adjusted according to the desired value.  
 Minimum setting pressure is 2 bar.

| CARBON STEEL | PN16 |
|--------------|------|
| SIZE         |      |
| DN15         |      |
| DN20         |      |
| DN25         |      |
| DN32         |      |
| DN40         |      |
| DN50         |      |
| DN65         |      |
| DN80         |      |
| DN100        |      |

## FLANGED PROPORTIONAL LIFT SAFETY VALVES



Product Code: V-MEO-04-04F 304  
 Product Code: V-MEO-05-04F 316

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

Working pressure can be adjusted according to the desired value.  
 Minimum setting pressure is 2 bar.

| STAINLESS STEEL | PN16 |
|-----------------|------|
| SIZE            |      |
| DN15            |      |
| DN20            |      |
| DN25            |      |
| DN32            |      |
| DN40            |      |
| DN50            |      |
| DN65            |      |
| DN80            |      |
| DN100           |      |

## THREADED PROPORTIONAL LIFT SAFETY VALVES



Product Code: V-MEO-03-04D

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

Working pressure can be adjusted according to the desired value.  
 Minimum setting pressure is 2 bar.

| CARBON STEEL | PN16 |
|--------------|------|
| SIZE         |      |
| 1/2"         |      |
| 3/4"         |      |
| 1"           |      |
| 1 1/4"       |      |
| 1 1/2"       |      |
| 2"           |      |

## THREADED PROPORTIONAL LIFT SAFETY VALVES



Product Code: V-MEO-04-04D 304  
 Product Code: V-MEO-05-04D 316

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

Working pressure can be adjusted according to the desired value.  
 Minimum setting pressure is 2 bar.

| STAINLESS STEEL | PN16 |
|-----------------|------|
| SIZE            |      |
| 1/2"            |      |
| 3/4"            |      |
| 1"              |      |
| 1 1/4"          |      |
| 1 1/2"          |      |
| 2"              |      |



**FLANGED FULL BORE FLOW INDICATORS**



**Product Code: V-MFI-03-04F**

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

For 180 °C and above temperatures glass need to be changed. In this case ask for price.

**FLANGED FULL BORE FLOW INDICATORS**



**Product Code: V-MFI-04-04F 304**  
**Product Code: V-MFI-05-04F 316**

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

For 180 °C and above temperatures glass need to be changed. In this case ask for price.

**THREADED FULL BORE FLOW INDICATORS**



**Product Code: V-MFI-03-07D**

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

For 180 °C and above temperatures glass need to be changed. In this case ask for price.

**THREADED FULL BORE FLOW INDICATORS**



**Product Code: V-MFI-04-07D 304**  
**Product Code: V-MFI-05-07D 316**

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

For 180 °C and above temperatures glass need to be changed. In this case ask for price.

| CARBON STEEL |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |
| DN125        | 5"     |      |
| DN150        | 6"     |      |
| DN200        | 8"     |      |

| STAINLESS STEEL |        | PN16 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |
| DN125           | 5"     |      |
| DN150           | 6"     |      |
| DN200           | 8"     |      |

| CARBON STEEL |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |

| STAINLESS STEEL |        | PN16 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |

# STRAINERS

## FLANGED - THREADED "T" TYPE FULL BORE STRAINERS



Product Code: V-MST-03-04F (FLANGED)  
 Product Code: V-MST-03-04D (THREADED)

Pressure Class : PN16  
 Temperature : "-30 / +180 °C  
 Seal : PTFE  
 Filter : AISI304

## FLANGED "T" TYPE FULL BORE STRAINER



Product Code: V-MST-04-04F 304  
 Product Code: V-MST-05-04F 316

Pressure Class : PN16  
 Temperature : "-30 / +180 °C  
 Seal : PTFE  
 Filter : AISI304

## THREADED "T" TYPE FULL BORE STRAINER



Product Code: V-MST-04-04D 304  
 Product Code: V-MST-05-04D 316

Pressure Class : PN16  
 Temperature : "-30 / +180 °C  
 Seal : PTFE  
 Filter : AISI304

## FLANGED "Y" TYPE FULL BORE STRAINER



Product Code: V-YSY-01-04F (DUCTILE)  
 Product Code: V-YSY-02-04F (CASTING)

Pressure Class : PN16 - 40  
 Temperature : "-30 / +180 °C  
 Seal : PTFE  
 Filter : AISI304

## FLANGED "Y" TYPE FULL BORE STRAINER



Product Code: V-MSY-03-07F

Pressure Class : PN40  
 Temperature : "-30 / +180 °C  
 Seal : PTFE  
 Filter : AISI304

| CARBON STEEL |        | PN16    |          |
|--------------|--------|---------|----------|
| SIZE         |        | FLANGED | THREADED |
| DN15         | 1/2"   |         |          |
| DN20         | 3/4"   |         |          |
| DN25         | 1"     |         |          |
| DN32         | 1 1/4" |         |          |
| DN40         | 1 1/2" |         |          |
| DN50         | 2"     |         |          |
| DN65         | 2 1/2" |         |          |
| DN80         | 3"     |         |          |
| DN100        | 4"     |         |          |
| DN125        | 5"     |         |          |
| DN150        | 6"     |         |          |

| STAINLESS STEEL |        | PN16 |  |
|-----------------|--------|------|--|
| SIZE            |        |      |  |
| DN15            | 1/2"   |      |  |
| DN20            | 3/4"   |      |  |
| DN25            | 1"     |      |  |
| DN32            | 1 1/4" |      |  |
| DN40            | 1 1/2" |      |  |
| DN50            | 2"     |      |  |
| DN65            | 2 1/2" |      |  |
| DN80            | 3"     |      |  |
| DN100           | 4"     |      |  |
| DN125           | 5"     |      |  |
| DN150           | 6"     |      |  |

| STAINLESS STEEL |        | PN16 |  |
|-----------------|--------|------|--|
| SIZE            |        |      |  |
| DN15            | 1/2"   |      |  |
| DN20            | 3/4"   |      |  |
| DN25            | 1"     |      |  |
| DN32            | 1 1/4" |      |  |
| DN40            | 1 1/2" |      |  |
| DN50            | 2"     |      |  |

| CAST  |        | PN16 - 40         |                       |
|-------|--------|-------------------|-----------------------|
| SIZE  |        | CAST IRON<br>GG25 | DUCTILE IRON<br>GGG40 |
| DN15  | 1/2"   |                   |                       |
| DN20  | 3/4"   |                   |                       |
| DN25  | 1"     |                   |                       |
| DN32  | 1 1/4" |                   |                       |
| DN40  | 1 1/2" |                   |                       |
| DN50  | 2"     |                   |                       |
| DN65  | 2 1/2" |                   |                       |
| DN80  | 3"     |                   |                       |
| DN100 | 4"     |                   |                       |
| DN125 | 5"     |                   |                       |
| DN150 | 6"     |                   |                       |
| DN200 | 8"     |                   |                       |

| CAST STEEL GS C25 |        | PN40 |  |
|-------------------|--------|------|--|
| SIZE              |        |      |  |
| DN32              | 1 1/4" |      |  |
| DN50              | 2"     |      |  |
| DN80              | 3"     |      |  |

## FLANGED FULL BORE SPRING RETURN CHECK VALVE



**Product Code: V-MCS-03-04F**

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

| CARBON STEEL |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |
| DN125        | 5"     |      |
| DN150        | 6"     |      |
| DN200        | 8"     |      |

## FLANGED FULL BORE SPRING RETURN CHECK VALVE



**Product Code: V-MCS-04-04F 304**  
**Product Code: V-MCS-05-04F 316**

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

| STAINLESS STEEL |        | PN16 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |
| DN125           | 5"     |      |
| DN150           | 6"     |      |
| DN200           | 8"     |      |

## THREADED FULL BORE SPRING RETURN CHECK VALVE



**Product Code: V-MCS-03-04D**

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

| CARBON STEEL |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN15         | 1/2"   |      |
| DN20         | 3/4"   |      |
| DN25         | 1"     |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |

## THREADED FULL BORE SPRING RETURN CHECK VALVE



**Product Code: V-MCS-04-04D**  
**Product Code: V-MCS-05-04D**

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE

| STAINLESS STEEL |        | PN16 |
|-----------------|--------|------|
| SIZE            |        |      |
| DN15            | 1/2"   |      |
| DN20            | 3/4"   |      |
| DN25            | 1"     |      |
| DN32            | 1 1/4" |      |
| DN40            | 1 1/2" |      |
| DN50            | 2"     |      |
| DN65            | 2 1/2" |      |
| DN80            | 3"     |      |
| DN100           | 4"     |      |

## BRASS AND DUCTILE IRON DISCO CHECK VALVES



Product Code: V-YCD-01-04F (DUCTILE)

Product Code: V-YCD-06-04F (BRASS)

Pressure Class : PN 16  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Disc : Stainless

| BRASS/CAST |        | PN16         |  |
|------------|--------|--------------|--|
| SIZE       |        | \$/PCS       |  |
| DN15       | 1/2"   | BRASS        |  |
| DN20       | 3/4"   | BRASS        |  |
| DN25       | 1"     | BRASS        |  |
| DN32       | 1 1/4" | BRASS        |  |
| DN40       | 1 1/2" | BRASS        |  |
| DN50       | 2"     | BRASS        |  |
| DN65       | 2 1/2" | BRASS        |  |
| DN80       | 3"     | BRASS        |  |
| DN100      | 4"     | BRASS        |  |
| DN125      | 5"     | DUCTILE IRON |  |
| DN150      | 6"     | DUCTILE IRON |  |
| DN200      | 8"     | DUCTILE IRON |  |
| DN250      | 10"    | DUCTILE IRON |  |

## STAINLESS STEEL DISC CHECK VALVES



Product Code: V-ICD-04-07F 304

Product Code: V-ICD-05-07F 316

Pressure Class : PN 40  
 Temperature : -30/+180°C  
 Seal : PTFE  
 Disc : Stainless

| STAINLESS STEEL |        | PN40           |                |
|-----------------|--------|----------------|----------------|
| SIZE            |        | AISI304 \$/PCS | AISI316 \$/PCS |
| DN15            | 1/2"   |                |                |
| DN20            | 3/4"   |                |                |
| DN25            | 1"     |                |                |
| DN32            | 1 1/4" |                |                |
| DN40            | 1 1/2" |                |                |
| DN50            | 2"     |                |                |
| DN65            | 2 1/2" |                |                |
| DN80            | 3"     |                |                |
| DN100           | 4"     |                |                |
| DN125           | 5"     |                |                |
| DN150           | 6"     |                |                |
| DN200           | 8"     |                |                |

**FLANGED SWING CHECK VALVES**



Product Code: V-YCL-02-04F

Pressure Class : PN 16  
 Temperature : -10/+180°C

| CAST IRON GG25 |        | PN16 |
|----------------|--------|------|
| SIZE           |        |      |
| DN40           | 1 1/2" |      |
| DN50           | 2"     |      |
| DN65           | 2 1/2" |      |
| DN80           | 3"     |      |
| DN100          | 4"     |      |
| DN125          | 5"     |      |
| DN150          | 6"     |      |
| DN200          | 8"     |      |
| DN250          | 10"    |      |

**FLANGED LIFT CHECK VALVE**



Product Code: V-YLF-02-04F

Pressure Class : PN 16  
 Temperature : -10/+180°C

| CAST  |        | PN16           |                    |
|-------|--------|----------------|--------------------|
|       |        | CAST IRON GG25 | DUCTILE IRON GGG40 |
| SIZE  |        |                |                    |
| DN15  | 1/2"   |                |                    |
| DN20  | 3/4"   |                |                    |
| DN25  | 1"     |                |                    |
| DN32  | 1 1/4" |                |                    |
| DN40  | 1 1/2" |                |                    |
| DN50  | 2"     |                |                    |
| DN65  | 2 1/2" |                |                    |
| DN80  | 3"     |                |                    |
| DN100 | 4"     |                |                    |
| DN125 | 5"     |                |                    |
| DN150 | 6"     |                |                    |
| DN200 | 8"     |                |                    |

**WAFFER TYPE (SLIM) SWING CHECK VALVE**



Product Code: V-YWC-03-04F  
 Product Code: V-YWC-04-04F

Pressure Class : PN 16  
 Temperature : -30/+120°C

| CARBON STEEL/STAINLESS STEEL |        | PN16         |                       |
|------------------------------|--------|--------------|-----------------------|
|                              |        | CARBON STEEL | STAINLESS STEEL - 304 |
| SIZE                         |        |              |                       |
| DN25                         | 1"     |              |                       |
| DN32                         | 1 1/4" |              |                       |
| DN40                         | 1 1/2" |              |                       |
| DN50                         | 2"     |              |                       |
| DN65                         | 2 1/2" |              |                       |
| DN80                         | 3"     |              |                       |
| DN100                        | 4"     |              |                       |
| DN125                        | 5"     |              |                       |
| DN150                        | 6"     |              |                       |
| DN200                        | 8"     |              |                       |
| DN250                        | 10"    |              |                       |

## WAFER TYPE BUTTERFLY VALVES



**Product Code:** V-YBF-W-02-04F(XXX)E-P

Pressure Class : PN 10-16  
 Temperature : -30/+140°C  
 Gasket Set : EPDM  
 Klepe : AISI316  
 Place of use : Treatment facilities,  
 water lines, air lines,  
 food industry, iron industry,  
 petrochemical, paper,  
 iron and steel, etc.

| CAST IRON GG25 |        | PN10-16       |
|----------------|--------|---------------|
| SIZE           |        | AISI316 KLEPE |
| DN50           | 2"     |               |
| DN65           | 2 1/2" |               |
| DN80           | 3"     |               |
| DN100          | 4"     |               |
| DN125          | 5"     |               |
| DN150          | 6"     |               |
| DN200          | 8"     |               |
| DN250          | 10"    |               |
| DN300          | 12"    |               |

## LUG TYPE BUTTERFLY VALVES



**Product Code:** V-YBF-L-02-04F(XXX)E-P

Pressure Class : PN 10-16  
 Temperature : -30/+140°C  
 Gasket Set : EPDM  
 Klepe : AISI316  
 Place of use : Treatment facilities,  
 water lines, air lines,  
 food industry, iron industry,  
 petrochemical, paper,  
 iron and steel, etc.

| CAST IRON GG25 |        | PN10-16       |
|----------------|--------|---------------|
| SIZE           |        | AISI316 KLEPE |
| DN40           | 1 1/2" |               |
| DN50           | 2"     |               |
| DN65           | 2 1/2" |               |
| DN80           | 3"     |               |
| DN100          | 4"     |               |
| DN125          | 5"     |               |
| DN150          | 5"     |               |
| DN200          | 8"     |               |
| DN250          | 10"    |               |

## WAFER INSERT BUTTERFLY VALVES



**Product Code:** V-YBF-W-02-04F(XXX)E-P

Pressure Class : PN 10-16  
 Temperature : -30/+140°C  
 Gasket Set : EPDM  
 Klepe : AISI316  
 Place of use : Treatment facilities,  
 water lines, air lines,  
 food industry, iron industry,  
 petrochemical, paper,  
 iron and steel, etc.

| SFERO CASTING GGG40.3 |        | PN10-16       |
|-----------------------|--------|---------------|
| SIZE                  |        | AISI316 KLEPE |
| DN32                  | 1 1/4" |               |
| DN40                  | 1 1/2" |               |
| DN50                  | 2"     |               |
| DN65                  | 2 1/2" |               |
| DN80                  | 3"     |               |
| DN100                 | 4"     |               |
| DN125                 | 5"     |               |
| DN150                 | 6"     |               |
| DN200                 | 8"     |               |
| DN250                 | 10"    |               |
| DN300                 | 12"    |               |

## LUG TYPE BUTTERFLY VALVES



**Product Code:** V-YBF-L-02-04F(XXX)E-P

Pressure Class : PN 10-16  
 Temperature : -30/+140°C  
 Gasket Set : EPDM  
 Klepe : AISI316  
 Place of use : Treatment facilities,  
 water lines, air lines,  
 food industry, iron industry,  
 petrochemical, paper,  
 iron and steel, etc.

| SFERO CASTING GGG40.3 |        | PN10-16       |
|-----------------------|--------|---------------|
| SIZE                  |        | AISI316 KLEPE |
| DN32                  | 1 1/4" |               |
| DN40                  | 1 1/2" |               |
| DN50                  | 2"     |               |
| DN65                  | 2 1/2" |               |
| DN80                  | 3"     |               |
| DN100                 | 4"     |               |
| DN125                 | 5"     |               |
| DN150                 | 6"     |               |
| DN200                 | 8"     |               |
| DN250                 | 10"    |               |
| DN300                 | 12"    |               |





**High Performance Triple Eccentric Wafer/Lug Type Butterfly Valves**

Type : Butterfly Valve  
 Pressure : PN10, PN16, PN25, ANSI 150  
 Size : DN80- DN1400 / 3" - 56"  
 Temperature : -50 °C...+260 °C

| STAINLESS STEEL |     | PN10-PN25 |
|-----------------|-----|-----------|
| SIZE            |     |           |
| DN100           | 4"  |           |
| DN125           | 5"  |           |
| DN150           | 6"  |           |
| DN200           | 8"  |           |
| DN250           | 10" |           |
| DN300           | 12" |           |
| DN350           | 14" |           |
| DN400           | 16" |           |



**High Performance Triple Eccentric Disc Butterfly Valves**

Type : Butterfly Valve  
 Pressure : ASME 150-600  
 Size : DN 100– 2000 / 4" – 80"  
 Temperature : -200 °C ... +600 °C

| CARBON STEEL |     | ASME 150-600 |
|--------------|-----|--------------|
| SIZE         |     |              |
| DN100        | 4"  |              |
| DN125        | 5"  |              |
| DN150        | 6"  |              |
| DN200        | 8"  |              |
| DN250        | 10" |              |
| DN300        | 12" |              |
| DN350        | 14" |              |
| DN400        | 16" |              |



**High Performance Triple Eccentric Disc Ball Valves**

Type : Ball Valve  
 Pressure : PN 25-100, ASME 150-600  
 Size : DN 25 – 400 / 1" – 16"  
 Temperature : -200...+600 °C

| STAINLESS STEEL |     | ASME 150-600 |
|-----------------|-----|--------------|
| SIZE            |     |              |
| DN100           | 4"  |              |
| DN125           | 5"  |              |
| DN150           | 6"  |              |
| DN200           | 8"  |              |
| DN250           | 10" |              |
| DN300           | 12" |              |
| DN350           | 14" |              |
| DN400           | 16" |              |



**SEGMENT CONTROL VALVE**

**Product Code: V-IS2P-04-04F**

Pressure Class : PN16 (Optional PN40)  
 Temperature : -29°C / +220°C (Optional +300°C)  
 Seat Kit : Metal Sealed  
 Body : AISI304  
 Application : Chemistry, Petrochemical,  
 Steam, Paper etc. Applications

| AISI304 |        |          |
|---------|--------|----------|
| SIZE    |        | Cv Value |
| DN25    | 1"     | 36       |
| DN32    | 1 1/4" | 56       |
| DN40    | 1 1/2" | 94       |
| DN50    | 2"     | 152      |
| DN65    | 2 1/2" | 262      |
| DN80    | 3"     | 358      |
| DN100   | 4"     | 540      |

Prices include shafts output.  
 Please ask for price for actuator and positioner.



**GLOBE CONTROL VALVE**

Pressure Class : PN40  
 Temperature : -29°C / +230°C (Optional +300°C)  
 Body : Carbon Steel  
 Application : Hot Water, Steam, Hot Oil

| GLOBE CONTROL VALVE |        |           |  |
|---------------------|--------|-----------|--|
| SIZE                |        | Kvs Value |  |
| DN20                | 3/4"   | 6,3       |  |
| DN25                | 1"     | 10        |  |
| DN32                | 1 1/4" | 16        |  |
| DN40                | 1 1/2" | 25        |  |
| DN50                | 2"     | 40        |  |
| DN65                | 2 1/2" | 63        |  |
| DN80                | 3"     | 100       |  |
| DN100               | 4"     | 160       |  |

Please ask positioner price for proportional control

**CAST IRON RESILIENT SEATED GATE VALVE**



Product Code: V-YSV-02-04F(XXX)K F4  
 Product Code: V-YSV-02-04F(XXX)U F5

Pressure Class : PN 10/16  
 Temperature : -30/+140°C  
 Seal : EPDM  
 Seat : ELASTOMER

| CAST IRON GG25 |        | PN16          |              |
|----------------|--------|---------------|--------------|
| SIZE           |        | F4 SHORT TYPE | F5 LONG TYPE |
| DN50           | 2"     |               |              |
| DN65           | 2 1/2" |               |              |
| DN80           | 3"     |               |              |
| DN100          | 4"     |               |              |
| DN125          | 5"     |               |              |
| DN150          | 6"     |               |              |
| DN200          | 8"     |               |              |

**CAST IRON - DUCTILE IRON GLOB VALVE**



Product Code: V-YGV-02-04F(XXX)P-K

Pressure Class : PN 16 - 40  
 Temperature : +10/+220°C  
 Shaft : X20Cr13

| CAST  |        | PN16-40               |                           |
|-------|--------|-----------------------|---------------------------|
| SIZE  |        | CAST IRON GG25 - PN16 | DUCTILE IRON GGG40 - PN40 |
| DN15  | 1/2"   |                       |                           |
| DN20  | 3/4"   |                       |                           |
| DN25  | 1"     |                       |                           |
| DN32  | 1 1/4" |                       |                           |
| DN40  | 1 1/2" |                       |                           |
| DN50  | 2"     |                       |                           |
| DN65  | 2 1/2" |                       |                           |
| DN80  | 3"     |                       |                           |
| DN100 | 4"     |                       |                           |
| DN125 | 5"     |                       |                           |
| DN150 | 6"     |                       |                           |

**BELLOW SEALED GLOB VALVE**



Product Code: V-IGV-01-04F(XXX) K2

Pressure Class : PN 16  
 Temperature : -10/+350°C  
 Shaft : AISI304  
 Application : High Temperature Steam, Water, Oil Systems

| CAST  |        | PN16               |  |
|-------|--------|--------------------|--|
| SIZE  |        | DUCTILE IRON GGG40 |  |
| DN15  | 1/2"   |                    |  |
| DN20  | 3/4"   |                    |  |
| DN25  | 1"     |                    |  |
| DN32  | 1 1/4" |                    |  |
| DN40  | 1 1/2" |                    |  |
| DN50  | 2"     |                    |  |
| DN65  | 2 1/2" |                    |  |
| DN80  | 3"     |                    |  |
| DN100 | 4"     |                    |  |

**PNEUMATIC KNIFE GATE VALVE  
 DOUBLE ACTING PNEUMATIC**



Pressure Class : PN 16  
 Body : Ductile GGG.40  
 Gate : AISI 304  
 Sealing : Double-sided  
 Application : Fibrous fluids, waste water, hot water, cold water, non-acidic and alkaline fluids

|       |     | PN16                        |                         |
|-------|-----|-----------------------------|-------------------------|
| SIZE  |     | UNCUSHIONING AND UNMAGNETIC | CUSHIONING AND MAGNETIC |
| DN100 | 4"  |                             |                         |
| DN125 | 5"  |                             |                         |
| DN150 | 6"  |                             |                         |
| DN200 | 8"  |                             |                         |
| DN250 | 10" |                             |                         |
| DN300 | 12" |                             |                         |

**KNIFE GATE VALVE HAND CONTROLLED**



Body : Ductile GGG.40  
 Gate : AISI 304  
 Application : Fibrous fluids, waste water, hot water, cold water, non-acidic and alkaline fluids

| SIZE  |  |
|-------|--|
| DN100 |  |
| DN125 |  |
| DN150 |  |
| DN200 |  |
| DN250 |  |
| DN300 |  |

DIAPHRAGM CLOSED HYDRAULIC CONTROL VALVES



Product Code: Vs-KNT-BDV-FL  
 Product Code: Vs-KNT-BSV-FL

Pressure Class : PN16  
 Temperature : -30/+80°C  
 Seat Kit : EPDM  
 Place of use : Water lines

| DUCTILE IRON GGG40 |        | PN16             |                       |
|--------------------|--------|------------------|-----------------------|
| SIZE               |        | PRESSURE REDUCER | PRESSURE CONSTRUCTION |
| DN40               | 1 1/2" |                  |                       |
| DN50               | 2"     |                  |                       |
| DN65               | 2 1/2" |                  |                       |
| DN80               | 3"     |                  |                       |
| DN100              | 4"     |                  |                       |
| DN125              | 5"     |                  |                       |
| DN150              | 6"     |                  |                       |
| DN200              | 8"     |                  |                       |

DIAPHRAGM CLOSED HYDRAULIC CONTROL VALVES



Product Code: Vs-KNT-RLF-FL  
 Product Code: Vs-KNT-FSK-FL

Pressure Class : PN16  
 Temperature : -30/+80°C  
 Seat Kit : EPDM  
 Place of use : Water lines

| DUCTILE IRON GGG40 |        | PN16                         |                        |
|--------------------|--------|------------------------------|------------------------|
| SIZE               |        | PRESSURE EVACUATION (RELIEF) | FLOATING LEVEL CONTROL |
| DN40               | 1 1/2" |                              |                        |
| DN50               | 2"     |                              |                        |
| DN65               | 2 1/2" |                              |                        |
| DN80               | 3"     |                              |                        |
| DN100              | 4"     |                              |                        |
| DN125              | 5"     |                              |                        |
| DN150              | 6"     |                              |                        |
| DN200              | 8"     |                              |                        |

DIAPHRAGM CLOSED HYDRAULIC CONTROL VALVES



Product Code: Vs-KNT-PKV-FL  
 Product Code: Vs-KNT-SKV-FL

Pressure Class : PN16  
 Temperature : -30/+80°C  
 Seat Kit : EPDM  
 Place of use : Water lines

| DUCTILE IRON GGG40 |        | PN16         |                  |
|--------------------|--------|--------------|------------------|
| SIZE               |        | PUMP CONTROL | SOLENOID CONTROL |
| DN40               | 1 1/2" |              |                  |
| DN50               | 2"     |              |                  |
| DN65               | 2 1/2" |              |                  |
| DN80               | 3"     |              |                  |
| DN100              | 4"     |              |                  |
| DN125              | 5"     |              |                  |
| DN150              | 6"     |              |                  |
| DN200              | 8"     |              |                  |

DIAPHRAGM CLOSED HYDRAULIC CONTROL VALVES



Product Code: Vs-KNT-DBKV-FL

Pressure Class : PN16  
 Temperature : -30/+80°C  
 Seat Kit : EPDM  
 Place of use : Water lines

| DUCTILE IRON GGG40 |        | PN16         |  |
|--------------------|--------|--------------|--|
| SIZE               |        | FLOW CONTROL |  |
| DN40               | 1 1/2" |              |  |
| DN50               | 2"     |              |  |
| DN65               | 2 1/2" |              |  |
| DN80               | 3"     |              |  |
| DN100              | 4"     |              |  |
| DN125              | 5"     |              |  |
| DN150              | 6"     |              |  |
| DN200              | 8"     |              |  |

## THERMODYNAMIC STEAM TRAP



**Product Code: Vs-KDSP-TMD**

Body : Forged Steel  
 Cover : Stainless  
 Filter : Stainless  
 Max. Temperature: 400 °C  
 Max. Pressure : 40 Bar  
 Min. Pressure : 0.3 Bar

| STEEL |      | PN40    |          |
|-------|------|---------|----------|
| SIZE  |      | FLANGED | THREADED |
| DN15  | 1/2" |         |          |
| DN20  | 3/4" |         |          |
| DN25  | 1"   |         |          |

## FLOAT STEAM TRAP THERMOSTATIC AIR RELEASE



**Product Code: Vs-KDSP-ŞMDHT**

Body : GGG 40.3  
 Cover : GGG 40.3  
 Interior Parts : Stainless Stell  
 And Float  
 Max. Pressure : 16 Bar  
 Max Temperature: 250 °C

| DUCTILE IRON GGG40 |        | PN16    |          |
|--------------------|--------|---------|----------|
| SIZE               |        | FLANGED | THREADED |
| DN32               | 1 1/4" |         |          |
| DN40               | 1 1/2" |         |          |
| DN50               | 2"     |         |          |

## FLOAT STEAM TRAP



**Product Code: Vs-KDSP-HSŞMD**

Body : GGG 40.3  
 Cover : GGG 40.3  
 Interior Parts : Stainless Stell  
 And Float  
 Max. Pressure : 16 Bar  
 Max Temperature: 250 °C

| DUCTILE IRON GGG40                    |      | PN16    |          |
|---------------------------------------|------|---------|----------|
| SIZE                                  |      | FLANGED | THREADED |
| <b>FLUID BLOWER FROM AIR CIRCUITS</b> |      |         |          |
| DN15                                  | 1/2" |         |          |
| DN20                                  | 3/4" |         |          |
| DN25                                  | 1"   |         |          |

| <b>AIR BLOWER FROM FLUID CIRCUITS</b> |      |  |  |
|---------------------------------------|------|--|--|
| DN15                                  | 1/2" |  |  |
| DN20                                  | 3/4" |  |  |
| DN25                                  | 1"   |  |  |

## THREADED VACUUM BREAKER



**Product Code: Vs-VKMK-PÇ**

Body : Stainless  
 Cover : Stainless  
 Interior Parts : Stainless Stell  
 Working Pressure : 25 Bar  
 Max Temperature: 400 °C

| STAINLESS |      | PN25 |  |
|-----------|------|------|--|
| SIZE      |      |      |  |
| DN15      | 1/2" |      |  |



ROTARY FLANGED METAL EXPANSION JOINT WITHOUT LAYNER



Product Code: V-YCM-D-03-04F

Pressure Class : PN16  
 Temperature : -90/+550°C  
 Flange : ST 37-2  
 Bellows : AISI304  
 Application : Pumps, ventilators,  
 chillers, air compressors,  
 iron and steel industry  
 ship industry, etc.

| STEEL FLANGE ST 37-2 |        | PN16        |             |
|----------------------|--------|-------------|-------------|
| SIZE                 |        | 30 MM GENL. | 60 MM GENL. |
| DN25                 | 1"     |             |             |
| DN32                 | 1 1/4" |             |             |
| DN40                 | 1 1/2" |             |             |
| DN50                 | 2"     |             |             |
| DN65                 | 2 1/2" |             |             |
| DN80                 | 3"     |             |             |
| DN100                | 4"     |             |             |
| DN125                | 5"     |             |             |
| DN150                | 6"     |             |             |
| DN200                | 8"     |             |             |
| DN250                | 10"    |             |             |

ROTARY FLANGED METAL EXPANSION WITH LAYNER



Product Code: V-YCM-D-03-04F

Pressure Class : PN16  
 Temperature : -90/+550°C  
 Flange : ST 37-2  
 Bellows : AISI304  
 Application : Pumps, ventilators,  
 chillers, air compressors,  
 iron and steel industry  
 ship industry, etc.

| STEEL FLANGE ST 37-2 |        | PN16        |             |
|----------------------|--------|-------------|-------------|
| SIZE                 |        | 30 MM GENL. | 60 MM GENL. |
| DN25                 | 1"     |             |             |
| DN32                 | 1 1/4" |             |             |
| DN40                 | 1 1/2" |             |             |
| DN50                 | 2"     |             |             |
| DN65                 | 2 1/2" |             |             |
| DN80                 | 3"     |             |             |
| DN100                | 4"     |             |             |
| DN125                | 5"     |             |             |
| DN150                | 6"     |             |             |
| DN200                | 8"     |             |             |
| DN250                | 10"    |             |             |

FIXED FLANGED METAL EXPANSION JOINT WITHOUT LAYNER



Product Code: V-YCM-S-03-04F

Pressure Class : PN16  
 Temperature : -90/+550°C  
 Flange : ST 37-2  
 Bellows : AISI304  
 Application : Pumps, ventilators,  
 chillers, air compressors,  
 iron and steel industry  
 ship industry, etc.

| STEEL FLANGE ST 37-2 |        | PN16        |             |
|----------------------|--------|-------------|-------------|
| SIZE                 |        | 30 MM GENL. | 60 MM GENL. |
| DN25                 | 1"     |             |             |
| DN32                 | 1 1/4" |             |             |
| DN40                 | 1 1/2" |             |             |
| DN50                 | 2"     |             |             |
| DN65                 | 2 1/2" |             |             |
| DN80                 | 3"     |             |             |
| DN100                | 4"     |             |             |
| DN125                | 5"     |             |             |
| DN150                | 6"     |             |             |
| DN200                | 8"     |             |             |
| DN250                | 10"    |             |             |

FIXED FLANGED METAL EXPANSION JOINT WITH LAYNER



Product Code: V-YCM-S-03-04F

Pressure Class : PN16  
 Temperature : -90/+550°C  
 Flange : ST 37-2  
 Bellows : AISI304  
 Application : Pumps, ventilators,  
 chillers, air compressors,  
 iron and steel industry  
 ship industry, etc.

| STEEL FLANGE ST 37-2 |        | PN16        |             |
|----------------------|--------|-------------|-------------|
| SIZE                 |        | 30 MM GENL. | 60 MM GENL. |
| DN25                 | 1"     |             |             |
| DN32                 | 1 1/4" |             |             |
| DN40                 | 1 1/2" |             |             |
| DN50                 | 2"     |             |             |
| DN65                 | 2 1/2" |             |             |
| DN80                 | 3"     |             |             |
| DN100                | 4"     |             |             |
| DN125                | 5"     |             |             |
| DN150                | 6"     |             |             |
| DN200                | 8"     |             |             |
| DN250                | 10"    |             |             |

# RUBBER EXPANSION JOINTS



## EPDM RUBBER EXPANSION JOINT WITH CASTING FLANGE



**Product Code:** V-YCM-E-01-04F  
 Pressure Class : PN16  
 Temperature : "-40/+145°C  
 Flange : Cast  
 Bellows : EPDM  
 Application : Pumps, ventilators,  
 chillers, air compressors,  
 iron and steel industry  
 ship industry, etc.

| CAST FLANGED |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |
| DN125        | 5"     |      |
| DN150        | 6"     |      |
| DN200        | 8"     |      |
| DN250        | 10"    |      |
| DN300        | 12"    |      |

## EPDM RUBBER EXPANSION JOINT WITH STEEL FLANGE



**Product Code:** V-YCM-E-03-04F  
 Pressure Class : PN16  
 Temperature : "-40/+145°C  
 Flange : ST 37-2  
 Bellows : EPDM  
 Application : Pumps, ventilators,  
 chillers, air compressors,  
 iron and steel industry  
 ship industry, etc.

| STEEL FLANGE |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |
| DN125        | 5"     |      |
| DN150        | 6"     |      |
| DN200        | 8"     |      |
| DN250        | 10"    |      |
| DN300        | 12"    |      |

## NBR RUBBER EXPANSION JOINT WITH CASTING FLANGE



**Product Code:** V-YCM-N-01-04F  
 Pressure Class : PN16  
 Temperature : "-30/+105°C  
 Flange : Cast  
 Bellows : NBR  
 Application : Pumps, ventilators,  
 chillers, air compressors,  
 iron and steel industry  
 ship industry, etc.

| CAST FLANGED |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |
| DN125        | 5"     |      |
| DN150        | 6"     |      |
| DN200        | 8"     |      |
| DN250        | 10"    |      |
| DN300        | 12"    |      |

## NBR RUBBER EXPANSION JOINT WITH STEEL FLANGE



**Product Code:** V-YCM-N-03-04F  
 Pressure Class : PN16  
 Temperature : "-30/+105°C  
 Flange : ST 37-2  
 Bellows : NBR  
 Application : Pumps, ventilators,  
 chillers, air compressors,  
 iron and steel industry  
 ship industry, etc.

| STEEL FLANGE |        | PN16 |
|--------------|--------|------|
| SIZE         |        |      |
| DN32         | 1 1/4" |      |
| DN40         | 1 1/2" |      |
| DN50         | 2"     |      |
| DN65         | 2 1/2" |      |
| DN80         | 3"     |      |
| DN100        | 4"     |      |
| DN125        | 5"     |      |
| DN150        | 6"     |      |
| DN200        | 8"     |      |
| DN250        | 10"    |      |
| DN300        | 12"    |      |

## GENERAL SALES TERMS AND CONDITIONS

### 1. DEFINITIONS

In these Terms and Conditions of Sale, "Seller" means SMS TORK Endustriyel Otomasyon Urunleri San. Tic. Ltd. Sti.; "Buyer" means the person, firm, company or corporation by whom the order is given; "Goods" means Equipment described in the Seller's Acknowledgement of order form.

### 2. ACCEPTANCE OF ORDERS.

Seller's acceptance of all orders and all offers and sales by Seller are subject to and expressly conditioned upon Buyer's assent to the terms and conditions of this Agreement. The Agreement consists of these sales terms and conditions, Seller's quotation, if any and Seller's order acknowledgement. Buyer's acceptance of any offer by Seller must be made on such terms and conditions exactly as offered by Seller. Any of Buyer's terms and conditions which are different from or in addition to those contained in this Agreement are objected to by Seller and shall be of no effect unless specifically agreed to in writing by Seller. Commencement of performance or shipment shall not be construed as acceptance of any of Buyer's terms and conditions which are different from or in addition to those contained in the Agreement. If a contract is not earlier formed by mutual agreement in writing, acceptance by Buyer of products or services furnished by Seller pursuant hereto shall be deemed Buyer's assent to all of the terms and conditions of this Agreement. Buyer may request changes or additions to the Services and/or Goods consistent with Seller's specifications and criteria. In the event such changes or additions are accepted by Seller, Seller may revise the price, fees and dates of delivery.

### 3. VALIDITY OF QUOTATION, PRICES, QUOTE DOCUMENTATION

**3.1** Unless previously withdrawn, Seller's quotation is open for acceptance only in its entirety and within the period stated therein or, when no period is so stated, within thirty days after its date.

**3.2** Prices are for Goods delivered EXW (INCOTERMS 2000) Seller's shipping point and exclusive of freight, insurance, handling and packing, unless otherwise agreed. If the Goods are to be packed, packing materials are non-returnable or value added tax; this is accounted separately in the invoice.

**3.3** All Buyer's orders with an order value less than EUR 5000 will be charged a customs fee of EUR 80.

**3.4** Deduction of early payment discount requires a separate written agreement

**3.5** We reserve property right and copyrights in illustrations, drawings, calculations and other document. The buyer shall obtain our prior express written approval to duplicate or disclose said to third parties, specifically direct and indirect competitor. In the event an agreement does not materialize, we reserve the right to reclaim our documentation

### 4. PAYMENT TERMS

Unless otherwise indicated in the order acknowledgement, the purchase price is due for payment net ( without deduction) and same day within the invoice date.

### 5. DELIVERY

Unless otherwise agreed to in writing by Seller, products shall be shipped EXW Seller's manufacturing facilities (Incoterms 2000) to any location designated by Buyer and shall be deemed delivered to Buyer when delivered to the transportation company at the shipping point. Unless otherwise agreed to in writing by Seller, all transportation charges and expenses shall be paid by Buyer, including the cost of any insurance against loss or damage in transit which Seller may obtain at Buyer's written request. Seller reserves the right to ship products freight collect. All products must be inspected upon receipt and claims filed by Buyer with the transportation company when there is evidence of shipping damage, either concealed or external.

### 6. WARRANTY

Warranty time period begins by the goods delivery date and this period is 2 years for production error. In the warranty time period weather an occur due to production; maintenance will be done without any fee and maintenance time period is max. 30 working days.

Buyer is responsible from providing favorable conditions for storage and feature of system where product is located. During montage and storage Buyer have to use manual user which send with goods. Whether an error cause due to these points, our company does not accept any responsibility.

### 7. RETURN OF GOODS

**7.1** The Seller is under no obligation to accept goods supplied ex stock. Goods supplied ex stock in accordance with the customer's order can only be returned with the express approval of the Company.

**7.2** Goods returned without the prior written permission of Seller will not be accepted by Seller. Seller reserves the right to inspect goods prior to authorizing their return. Upon receipt of the returned goods, Seller will replace returned goods with conforming goods or, at Seller's option, issue credit to Buyer in an amount equal to the billing price of the goods.

### 8. COMPLIANCE WITH LAWS.

Buyer shall comply with all applicable laws, regulations, and other legal requirements regarding the export, import, sale, distribution, marketing, and service of the goods and related technology, including without limitation, tax and foreign exchange legislation or regulations and the obligations.



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