



GENERAL
CATALOGUE

GENERAL CATALOGUE



MIVAL Srl

Head Office Via Melzi d'Eril, 26 - 20154 Milano

Factory - Technical - Trading Department Via Montecastello, 53 - 13037 Serravalle Sesia (VC) - ITALY
R.E.A. MILANO 785337 | REG. IMPRESE - COD. FISCALE - P. IVA IT 00836900159

Technical features can change without any notice, also for printing mistakes and/or omissions.

p.	4	Gate valves
p.	10	Bleed valves
p.	11	Streamlined flow valves
p.	17	Globe valves
p.	18	Discharge valves
p.	19	Balancing valves
p.	20	Plug cocks
p.	21	Check valves
p.	30	Butterfly valves
p.	33	Actuators
p.	34	Ball valves
p.	39	Strainers
p.	44	Flow indicators
p.	45	Steam traps
p.	46	Joints
p.	49	Services and certifications
p.	50	General sales conditions

M2010 Maintenance free Wafer type valve, soft seated



PN 16

Nodular cast iron EN-GJS-400-15 body,
EPDM rubber coated wedge, o-ring seal.
Code: 2010/DN

M2010/N: Execution with NBR coated wedge
Code: 2010/N/DN

Max Press.: 16 [bar] | Max Temp.: + 120 [°C]

On request drilling acc. to UNI PN6/ANSI150

DN	PN	L	Kg
32	16	40	3,5
40	16	40	3,5
50	16	50	4
65	16	65	7
80	16	80	10
100	16	100	15
125	16	125	20
150	16	150	35
200	16	200	71



MAINTENANCE
FREE

M2020 Maintenance free flanged type valve, soft seated



PN 16

Nodular cast iron EN-GJS-400-15 body,
EPDM rubber coated wedge, o-ring seal.
Code: 2020/DN

M2020/N: Execution with NBR coated wedge
Codice: 2020/N/DN

Max Press.: 16 [bar] | Max Temp.: + 120 [°C]

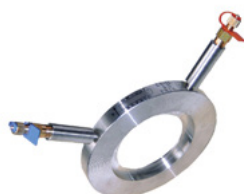
On request drilling acc. to UNI PN6/ANSI150

DN	PN	L	Kg
20	16	125	5,3
25	16	125	5,3
32	16	130	6,5
40	16	140	7,4
50	16	150	8,7
65	16	170	14
80	16	180	16
100	16	190	21
125	16	200	27
150	16	210	44
200	16	230	79



MAINTENANCE
FREE

Metering station



PN 16

Stainless steel AISI 316 body,
brass test points.
Code: ORCAL/DN

Max Press.: 16 [bar] | Max Temp.: + 110 [°C]

DN	PN	H	Kg
50	16	145	1,14
65	16	154	1,47
80	16	162	1,76
100	16	172	1,97
125	16	187	2,56
150	16	200	2,95
200	16	227	4,14

M10 Flat body gate valve, metal seated



PN 10

Cast iron EN-GJL-250 body and bonnet, flat body inside screw, traditional type with packing, brass stem and seats, FASIT gasket.
Code: 0010/FASIT/DN

M10/BIS: With stainless steel stem and seats
Code: 0010/BIS/DN

M10/16: Execution UNI PN 16
Code: 0010PN16/DN

Max Press.: 10 [bar] | Max Temp.: + 150 [°C]

On request execution ANSI 150

DN	PN	L	Kg
40	10	140	9
50	10	150	11
65	10	170	15
80	10	180	18
100	10	190	23
125	10	200	31
150	10	210	41
200	10	230	68
250	10	250	91
300	10	270	124



M10/OR Flat body gate valve, metal seated



PN 10

Cast iron EN-GJL-250 body and bonnet, flat body inside screw, o-ring seal, brass stem and seat, FASIT gasket.
Code: 0010/OR/DN

Max Press.: 10 [bar] | Max Temp.: + 120 [°C]

On request execution UNI PN 16

DN	PN	L	Kg
40	10	140	9
50	10	150	11
65	10	170	15
80	10	180	18
100	10	190	23
125	10	200	31
150	10	210	41
200	10	230	68
250	10	250	91
300	10	270	124



MAINTENANCE
FREE

M15 Flat body gate valve, metal seated



PN 10

Cast iron EN-GJL-250 body and bonnet, flat body outside screw, traditional type with packing, brass stem and seats, FASIT gasket.
Code: 0015/DN

M15/BIS: With stainless steel stem and seats
Code: 0015/BIS/DN

M15/16: Execution UNI PN 16
Code: 0015PN16/DN

Max Press.: 10 [bar] | Max Temp.: + 150 [°C]

On request execution ANSI 150

DN	PN	L	Kg
40	10	140	10
50	10	150	12
65	10	170	16
80	10	180	20
100	10	190	26
125	10	200	33
150	10	210	43
200	10	230	72
250	10	250	100
300	10	270	134



M11 Flat body gate valve with rubber coated wedge



PN 16

Nodular cast iron EN-GJS-400-15 body and bonnet, flat body inside screw, o-ring seal, nodular cast iron EPDM vulcanized wedge.
Code: 0011EKDN03

Execution with flanges drilled according to UNI PN 10
Code: 0011EKDN0310

Max Press.: 16 [bar] | Max Temp.: + 70 [°C]

On request oval body execution UNI PN 16 (M32E)

DN	PN	L	Kg
40	16	140	8,2
50	16	150	9,1
65	16	170	11,6
80	16	180	14,7
100	16	190	17,7
125	16	200	27,5
150	16	210	33,6
200	16	230	53
250	16	250	79
300	16	270	117
350	16	290	173
400	16	310	207
500	16	350	-



MAINTENANCE
FREE

M13/DM174 Flat body gate valve with rubber coated wedge DRINKING WATER According to Italian M.D. 174, 06/04/2004



PN 16

Nodular cast iron EN-GJS-400-15 body and bonnet, flat body (F4) inside screw, with o-ring sealing, nodular cast iron EPDM vulcanized wedge, inside and outside epoxy coating.
Code: 0013EIDN03

M33: Execution oval body (F5) inside screw
Code: 0033EIDN03

Execution with flanges drilled according to UNI PN 10
Code: 0013EIDN0310/0033EIDN0310

Max Press.: 16 [bar] | Max Temp.: + 60 [°C]

DN	PN	L (F4)	L (F5)	Kg (F4)	Kg (F5)
50	16	150	250	9	9,5
65	16	170	270	11	12
80	16	180	280	14	15
100	16	190	300	16,5	18
125	16	200	325	24	27
150	16	210	350	31	35
200	16	230	400	57	64
250	16	250	450	93	104
300	16	270	500	134	146
350	16	290	550	212	228
400	16	310	600	226	243
500	16	350	700	438	509



MAINTENANCE
FREE



DRINKING
WATER

Available on request the following accessories:



Cap for wrench



Wrench



Stem extension
and protective tube



Floor pillar

M40 Oval body gate valve, metal seated



PN 16

Cast iron EN-GJL-250 body and bonnet, oval body inside screw, traditional type, with packing, brass stem and seats, FASIT gasket.
Code: 0040/DN

M40/BIS: With stainless steel stem and seats
Code: 0040/BIS/DN

Max Press.: 16 [bar] | Max Temp.: + 150 [°C]

DN	PN	L	Kg
40	16	240	10
50	16	250	13
65	16	270	17
80	16	280	24
100	16	300	31
125	16	325	41
150	16	350	55
200	16	400	89
250	16	450	140
300	16	500	180



M41 Oval body gate valve, metal seated



PN 16

Cast iron EN-GJL-250 body and bonnet, oval body outside screw, traditional type with packing, brass stem and seats, FASIT gasket.
Code: 0041/DN

M41/BIS: With stainless steel stem and seats
Code: 0041/BIS/DN

Max Press.: 16 [bar] | Max Temp.: + 150 [°C]

DN	PN	L	Kg
40	16	240	13
50	16	250	16
65	16	270	20
80	16	280	28
100	16	300	35
125	16	325	47
150	16	350	60
200	16	400	95
250	16	450	140
300	16	500	195



M42 Cylindrical body gate valve, metal seated



PN 40

Cast iron EN-GJL-300 cylindrical body and bonnet, inside screw, o-ring seal, brass stem and seats, internal and external coating suitable for drinking water.
Code: 0042/DN

Max Press.: 40 [bar] | Max Temp.: + 80 [°C]

DN	PN	L	Kg
40	40	250	22
50	40	250	22
65	40	290	34
80	40	310	46
100	40	350	60
125	40	400	85
150	40	450	120
200	40	550	215
250	40	650	340
300	40	750	470
350	40	850	650



M315 Flat body gate valve, metal seated



CE

PN 16

Carbon steel 1.0619 flat body, outside screw, standard type with packing, stainless steel stem and sealing seats.
Code: 0315/DN

M315/I: With stainless steel body
Code: 0315/I/DN

M315E: With carbon steel body
Code: 0315EKDN04

Max Press.: 16 [bar] | Max Temp.: + 450 [°C]

On request with inside screw
On request flanges ANSI 150

DN	PN	L	Kg
50	16	150	15
65	16	170	22
80	16	180	25
100	16	190	30
125	16	200	37
150	16	210	50
200	16	230	80
250	16	250	155
300	16	270	175
350	16	290	245
400	16	310	295

M317 Oval body gate valve, metal seated



CE

PN 40

Carbon steel 1.0619 body, oval body, outside screw, standard type with packing, stainless steel stem and sealing seats.
Code: 0317/DN

M317/I: With stainless steel body
Code: 0317/I/DN

Note: PN 40 up to DN 150, PN 25 from DN 200 and above

Max Press.: 40 [bar] | Max Temp.: + 450 [°C]

On request with inside screw
On request flanges ANSI 150

DN	PN	L	Kg
50	40	250	20
65	40	270	30
80	40	280	35
100	40	300	50
125	40	325	65
150	40	350	95
200	25	400	145
250	25	450	215
300	25	500	315
350	25	550	385
400	25	600	570

M560 Gate valve



CE

PN 16

Brass body, traditional type with packing, brass inside, GAS F/F threaded connections.
Code: 0560/DN

Max Press.: 16 [bar] | Max Temp.: + 80 [°C]

On request with flanged connections (**M1030**)
On request NPT F/F threaded connections

Ø	PN	L	Kg
½"	16	38	0,19
¾"	16	45	0,28
1"	16	48	0,37
1 ¼"	16	51	0,5
1 ½"	16	58	0,8
2"	16	62	1,2
2 ½"	16	76	2,1
3"	16	80	2,7
4"	16	96	4,6

M560E Gate valve

PN 16

Stainless steel body, traditional type with packing, stainless steel inside, GAS F/F threaded connections.
Code: 0560EGDN06

Max Press.: 16 [bar] | Max Temp.: + 80 [°C]

On request NPT F/F threaded connections



Ø	PN	L	Kg
½"	16	38	0,19
¾"	16	45	0,28
1"	16	48	0,37
1 ¼"	16	51	0,5
1 ½"	16	58	0,8
2"	16	62	1,2

CE

M1155 Gate valve

Class 150

Carbon steel ASTM A216 WCB body, TRIM 8, full bore, connection flanges ANSI 150 RF.
Code: 1155/DN

Max Press.: 19,7 [bar] | Max Temp.: + 454 [°C]

On request with stainless steel body
On request execution Class 300/Class 600



Ø	CL.	L	Kg
2"	150	178	19
2 ½"	150	191	24
3"	150	203	33
4"	150	229	49
5"	150	254	60
6"	150	267	87
8"	150	292	132
10"	150	330	203
12"	150	356	265

CE

M1195 Gate valve

Class 800

Carbon steel ASTM A 105 body, TRIM 1, reduced bore, NPT F/F threaded or SW connections.
Code: 1195/PR/DN

Max Press.: 136,2 [bar] | Max Temp.: + 427 [°C]

On request with stainless steel body
On request with flanged connections
On request full bore version



Ø	CL.	L	Kg
½"	800	80	1,8
¾"	800	90	2,1
1"	800	110	3,6
1 ¼"	800	127	5,3
1 ½"	800	127	7,5
2"	800	130	9,8

CE



M46 "Crotone" bleed valve

PN 16

Cast iron EN-GJL-250 body, rubber coated floating element, internal and external coating suitable for drinking water.
Code: 0046/DN

Max Press.: 16 [bar] | Max Temp.: + 80 [°C]

On request with flange ANSI 150

DN	PN	H	Kg
50	16	300	10
65	16	300	11
80	16	300	12



M47 "Siena" bleed valve

PN 16

Cast iron EN-GJL-250 body, rubber coated floating element, internal and external coating suitable for drinking water.
Code: 0047/DN

Max Press.: 16 [bar] | Max Temp.: + 80 [°C]



DN	PN	H	Kg
40	16	150	6
50	16	200	10
65	16	250	14
80	16	250	16
100	16	265	21
150	16	300	28
200	16	340	50



M48 Double float bleed valve

PN 16

Cast iron EN-GJL-250 body, rubber coated floating element, internal and external coating suitable for drinking water.
Code: 0048/DN

M48E: Nodular cast iron execution
Code: 0048ETDN03

Max Press.: 16 [bar] | Max Temp.: + 80 [°C]



DN	PN	H	Kg
50	16	210	13
65	16	225	14
80	16	260	22
100	16	275	24
150	16	320	38
200	16	370	60
250	16	450	87
300	16	490	105



M150 Streamlined flow valve, traditional type



CE

PN 16

Cast iron EN-GJL-250 body, outside screw, traditional type with packing, stainless steel stem and seats.
Code: 0150/DN

M150/R: With regulating disc
Code: 0150/R/DN

M150/T: With PTFE interchangeable gasket on the disc (Max Temp.: + 180 [°C])
Code: 0150/T/DN

Max Press.: 16 [bar] | Max Temp.: + 300 [°C]

On request with flanges ANSI 150

DN	PN	L	Kg
15	16	130	3,5
20	16	150	4,5
25	16	160	5
32	16	180	6,5
40	16	200	9,5
50	16	230	12
65	16	290	19,5
80	16	310	22,5
100	16	350	33,5
125	16	400	45,5
150	16	480	66
200	16	600	116

M51 Streamlined flow valve, with bellows



CE



PN 16

Cast iron EN-GJL-250 body, inside screw, stainless steel stem, sealing seats and bellows.
Code: 0051/DN

M51/R: With regulating disc
Code: 0051/R/DN

M51/T: With PTFE interchangeable gasket on the disc (Max Temp.: + 180 [°C])
Code: 0051/T/DN

Max Press.: 16 [bar] | Max Temp.: + 300 [°C]

On request with flanges ANSI 150

DN	PN	L	Kg
15	16	130	3
20	16	150	3,7
25	16	160	4,4
32	16	180	6,1
40	16	200	9,3
50	16	230	11,2
65	16	290	19
80	16	310	21,5
100	16	350	31,5
125	16	400	42,5
150	16	480	64,5
200	16	600	111

M61 Streamlined flow valve with bellows



CE



PN 16

Cast iron EN-GJL-250 body, outside screw, stainless steel stem, sealing seats and bellows.
Code: 0061/DN

M61/R: With regulating disc
Code: 0061/R/DN

M61/T: With PTFE interchangeable gasket on the disc (Max Temp.: + 180 [°C])
Code: 0061/T/DN

Max Press.: 16 [bar] | Max Temp.: + 300 [°C]

On request traditional type with packing (M50 and M60)
On request with flanges ANSI 150

DN	PN	L	Kg
15	16	130	3,8
20	16	150	4,5
25	16	160	5,2
32	16	180	6,8
40	16	200	10,1
50	16	230	12,2
65	16	290	20,5
80	16	310	23,5
100	16	350	34,5
125	16	400	46
150	16	480	58,5
200	16	600	117,5

M153 Streamlined flow valve, traditional type

PN 25

Nodular cast iron EN-GJS-400-18-LT body, outside screw, traditional type with packing, stainless steel stem and seats.
Code: 0153/DN

M153/R: With regulating disc
Code: 0153/R/DN

M153/T: With PTFE interchangeable gasket on the disc (Max Temp.: + 180 [°C])
Code: 0153/T/DN

Max Press.: 25 [bar] | Max Temp.: + 350 [°C]

On request with flanges ANSI 150

DN	PN	L	Kg
15	25	130	3,5
20	25	150	4,5
25	25	160	5
32	25	180	6,5
40	25	200	9,5
50	25	230	12
65	25	290	19,5
80	25	310	22,5
100	25	350	33,5
125	25	400	45,5
150	25	480	66
200	25	600	116



M53 Streamlined flow valve, with bellows

PN 25

Nodular cast iron EN-GJS-400-18-LT body, inside screw, stainless steel stem, sealing seats and bellows.
Code: 0053/DN

M53/R: With regulating disc
Code: 0053/R/DN

M53/T: With PTFE interchangeable gasket on the disc (Max Temp.: + 180 [°C])
Code: 0053/T/DN

Max Press.: 25 [bar] | Max Temp.: + 350 [°C]

On request with flanges ANSI 150

DN	PN	L	Kg
15	25	130	3
20	25	150	4,1
25	25	160	4,4
32	25	180	6,5
40	25	200	9,3
50	25	230	11,5
65	25	290	19
80	25	310	22
100	25	350	29,5
125	25	400	44
150	25	480	64
200	25	600	107



M63 Streamlined flow valve with bellows

PN 25

Nodular cast iron EN-GJS-400-18-LT body, outside screw, stainless steel stem, sealing seats and bellows.
Code: 0063/DN

M63/R: With regulating disc
Code: 0063/R/DN

M63/T: With PTFE interchangeable gasket on the disc (Max Temp.: + 180 [°C])
Code: 0063/T/DN

Max Press.: 25 [bar] | Max Temp.: + 350 [°C]

On request with flanges ANSI 150

DN	PN	L	Kg
15	25	130	3,8
20	25	150	4,8
25	25	160	5,3
32	25	180	6,9
40	25	200	10
50	25	230	12
65	25	290	20,5
80	25	310	23
100	25	350	33
125	25	400	48
150	25	480	67
200	25	600	117



M154 Streamlined flow valve, traditional type



CE

PN 16

Nodular cast iron EN-GJS-400-18-LT body, outside screw, traditional type with packing, stainless steel stem and seats
Code: 0154/DN

M154/R: With regulating disc
Code: 0154/R/DN

M154/T: With PTFE interchangeable gasket on the disc (Max Temp.: + 180 [°C])
Code: 0154/T/DN

Max Press.: 16 [bar] | Max Temp.: + 350 [°C]

On request with flanges ANSI 150

DN	PN	L	Kg
15	16	130	3,5
20	16	150	4,5
25	16	160	5
32	16	180	6,5
40	16	200	9,5
50	16	230	12
65	16	290	19,5
80	16	310	22,5
100	16	350	33,5
125	16	400	45,5
150	16	480	66
200	16	600	116
250	16	730	170

M54 Streamlined flow valve, with bellows



CE



PN 16

Nodular cast iron EN-GJS-400-18-LT body, inside screw, stainless steel stem, sealing seats and bellows.
Code: 0054/DN

M54/R: With regulating disc
Code: 0054/R/DN

M54/T: With PTFE interchangeable gasket on the disc (Max Temp.: + 180 [°C])
Code: 0054/T/DN

Max Press.: 16 [bar] | Max Temp.: + 350 [°C]

On request with flanges ANSI 150

DN	PN	L	Kg
15	16	130	3
20	16	150	3,7
25	16	160	4,4
32	16	180	6,1
40	16	200	9,1
50	16	230	11
65	16	290	19
80	16	310	21,5
100	16	350	28
125	16	400	42
150	16	480	56,5
200	16	600	104
250	16	730	171,5

M64 Streamlined flow valve with bellows



CE



PN 16

Nodular cast iron EN-GJS-400-18-LT body, outside screw, stainless steel stem, sealing seats and bellows.
Code: 0064/DN

M64/R: With regulating disc
Code: 0064/R/DN

M64/T: With PTFE interchangeable gasket on the disc (Max Temp.: + 180 [°C])
Code: 0064/T/DN

Max Press.: 16 [bar] | Max Temp.: + 350 [°C]

On request with flanges ANSI 150

DN	PN	L	Kg
15	16	130	3,8
20	16	150	4,5
25	16	160	5,3
32	16	180	6,9
40	16	200	10
50	16	230	12,1
65	16	290	21
80	16	310	23,5
100	16	350	31
125	16	400	46
150	16	480	59,5
200	16	600	113
250	16	730	179,5

M61/EQ

M63/EQ

M64/EQ


MAINTENANCE
FREE


PN 16

Cast iron EN-GJL-250 body, outside screw, stainless steel stem, sealing seats and bellows, with balanced disc for high pressure.
Code: 0061/DNEQ

With nodular cast iron EN-GJS-400-18-LT body, rating PN 25
Code: 0063/DNEQ

With nodular cast iron EN-GJS-400-18-LT body, rating PN 16
Code: 0064/DNEQ

Max Press.: 16 [bar] (for M61 and M64)
Max Press.: 25 [bar] (for M63)
Max Temp.: +300 [°C] for cast iron
Max Temp.: +350 [°C] for nodular cast iron

DN	PN	L	Kg
150	16	480	58,5
200	16	600	117,5
250	16	730	179,5
300	16	850	240,5

It is necessary to use balanced disc when the differential pressure exceeds the following values

DN	[mm]	150	200	250	300
Pressure	[bar]	21	14	9	6

M2012 Double function valve (outside screw with bellows + Y sediment collecting strainer)

PN 16

Nodular cast iron EN-GJS-400-18-LT body, outside screw, with bellows, stainless steel stem, sealing seats and bellows, stainless steel extractable screen.
Code: 2012/DN

Max Press.: 16 [bar] | Max Temp.: + 350 [°C]

On request PN 25 version from DN 40 to DN 80
More than 200 executions can be made on request. Examples:

- On/off valve + on/off valve
- Check valve + on/off valve
- On/off valve + check valve
- Check valve + Y strainer
- Y strainer + check valve

DN	PN	L	Kg
40	16	200	11
50	16	230	12,5
65	16	290	25
80	16	310	27,5
100	16	350	37,5
125	16	400	54
150	16	480	77



M2012 Double function valve (two on/off globe valves with bellows, outside screw)

PN 16

Nodular cast iron EN-GJS-400-18-LT body, outside screw, with bellows, stainless steel stems, sealing seats and bellows.
Code: 2012/DN

Max Press.: 16 [bar] | Max Temp.: + 350 [°C]

On request with drain valve
On request PN 25 version from DN 40 to DN 80
More than 200 executions can be made on request. Examples:

- Y strainer + on/off valve
- Check valve + on/off valve
- On/off valve + check valve
- Check valve + Y strainer
- Y strainer + check valve

DN	PN	L	Kg
40	16	200	13
50	16	230	15
65	16	290	29
80	16	310	31,5
100	16	350	44
125	16	400	63
150	16	480	89



Threaded hole M12
Threaded hole M12 + Isolation valve


MAINTENANCE
FREE


M326 Streamlined flow valve, traditional type



CE

PN 40

Carbon steel 1.0619 body, outside screw, traditional type with packing, stainless steel stem and sealing seats.
Code: 0326/DN

M326/R: With regulating disc
Code: 0326/R/DN

M326/T: PTFE interchangeable gasket on the seat (Max Temp.: + 180 [°C])
Code: 0326/T/DN

Max Press.: 40 [bar] | Max Temp.: + 400 [°C]

On request flanges ANSI 150
On request BW connections

DN	PN	L	Kg
15	40	130	4,5
20	40	150	5
25	40	160	6,5
32	40	180	9
40	40	200	12,5
50	40	230	15
65	40	290	25,5
80	40	310	30
100	40	350	43
125	40	400	68
150	40	480	95
200	40	600	172

M346 Streamlined flow valve with bellows



CE



PN 40

Carbon steel 1.0619 body, outside screw, with bellows, stainless steel stem, bellows and sealing seats.
Code: 0346/DN

M346/R: With regulating disc
Code: 0346/R/DN

M346/T: PTFE interchangeable gasket on the seat (Max Temp.: + 180 [°C])
Code: 0346/T/DN

Max Press.: 40 [bar] | Max Temp.: + 400 [°C]

On request standard type with packing (M330 and M340)
On request flanges ANSI 150
On request BW connections

DN	PN	L	Kg
15	40	130	4,9
20	40	150	5,7
25	40	160	7,2
32	40	180	9
40	40	200	11,9
50	40	230	15,5
65	40	290	26,5
80	40	310	31
100	40	350	46
125	40	400	66
150	40	480	99
200	40	600	182
250	40	730	297

M347 Streamlined flow valve with bellows



CE



PN 40

Stainless steel GX5 CrNiMo 19-11-2 body, outside screw, with bellows, stainless steel stem, bellows and sealing seats.
Code: 0347/DN

M347/R: With regulating disc
Code: 0347/R/DN

M347/T: PTFE interchangeable gasket on the seat (Max Temp.: + 180 [°C])
Code: 0347/T/DN

Max Press.: 40 [bar] | Max Temp.: + 400 [°C]

On request standard type with packing (M331 and M341)
On request flanges ANSI 150
On request BW connections

DN	PN	L	Kg
15	40	130	4,4
20	40	150	5,3
25	40	160	6,7
32	40	180	8,8
40	40	200	11
50	40	230	13,5
65	40	290	26,5
80	40	310	31
100	40	350	46
125	40	400	66
150	40	480	99
200	40	600	182
250	40	730	296

M346/EQ

M347/EQ

Streamlined flow valves with bellows with balanced disc

PN 40

Carbon steel 1.0619 body, outside screw, with bellows, stainless steel stem, bellows and sealing seats, with balanced disc for high pressure.
Code: 0346/DNEQ

Stainless steel GX5 CrNiMo 19-11-2 body
Code: 0347/DNEQ

Max Press.: 40 [bar] | Max Temp.: + 400 [°C]

On request ANSI 150 drilled flanges
On request BW connections

DN	PN	L	Kg
125	40	400	66
150	40	480	99
200	40	600	182
250	40	730	297
300	40	850	410

It is necessary to use balanced disc when the differential pressure exceeds the following values

DN	[mm]	125	150	200	250	300
Pressure	[bar]	30	21	14	9	6



MAINTENANCE
FREE



M336 Streamlined flow valve

PN 100/63

DN 15-50 : Carbon steel ASTM A105 body, outside screw, traditional type with packing, stainless steel stem and sealing seats.
Code: 0336EKDN04

DN 65-200 : Carbon steel ASTM A216 WCB body, outside screw, traditional type with packing, stainless steel stem and sealing seats.
Code: 0336EKDN04

Max Press.: 63 [bar] | Max Temp.: + 425 [°C]

On request BW connections



DN	PN	L	Kg
15	100	170	3,5
20	100	190	4,1
25	100	210	4,7
32	100	230	7,3
40	63	260	9,2
50	63	300	11,8
65	63	340	21
80	63	380	24
100	63	430	36
125	63	500	61
150	63	550	82
200	63	650	134

M602 Globe valve

PN 16

Bronze body, traditional type with packing, brass inside, GAS F/F threaded connections.
Code: 0602/DN

M604: With regulating disc
Code: 0604/DN

Max Press.: 16 [bar] | Max Temp.: + 180 [°C]

On request with flanged connections (M1055)
On request with PTFE sealing system



Ø	PN	L	Kg
¼"	16	54	0,29
⅜"	16	54	0,28
½"	16	59	0,37
¾"	16	71	0,6
1"	16	81	0,85
1 ¼"	16	96	1,35
1 ½"	16	104	1,8
2"	16	128	2,75
2 ½"	16	155	5,5
3"	16	173	7,7
4"	16	199	10,7



M602E Globe valve

PN 16



Stainless steel body, traditional type with packing, stainless steel inside, GAS F/F threaded connections.
Code: 0602EGDN06

Max Press.: 16 [bar] | Max Temp.: + 180 [°C]

On request NPT F/F threaded connections

Ø	PN	L	Kg
½"	16	59	0,37
¾"	16	71	0,6
1"	16	81	0,85
1 ¼"	16	96	1,35
1 ½"	16	104	1,8
2"	16	128	2,75

CE

M1160 Globe valve

Class 150



Carbon steel ASTM A216 WCB body, TRIM 8, full bore, connection flanges ANSI 150 RF.
Code: 1160/DN

Max Press.: 19,7 [bar] | Max Temp.: + 454 [°C]

On request with stainless steel body
On request execution Class 300/Class 600

Ø	CL.	L	Kg
2"	150	203	22
2 ½"	150	216	30
3"	150	241	40
4"	150	292	60
5"	150	356	92
6"	150	406	105
8"	150	495	170
10"	150	622	315
12"	150	698	475

CE

M1205 Globe valve

Class 800



Carbon steel ASTM A 105 body, TRIM 1, reduced bore, NPT F/F threaded or SW connections.
Code: 1205/PR/DN

Max Press.: 136,2 [bar] | Max Temp.: + 427 [°C]

On request with bellows seal
On request with stainless steel body
On request with flanged connections
On request full bore version

Ø	CL.	L	Kg
½"	800	80	1,8
¾"	800	90	2
1"	800	110	3,3
1 ¼"	800	127	5,4
1 ½"	800	155	7,9
2"	800	170	10,8

CE

M525 Gauge holder valve

PN 250

Carbon steel ASTM A105 body, traditional type with packing, stainless steel inside, NPT threaded M/F connections.
Code: 0525/DN

Max Press.: 250 [bar] | Max Temp.: + 300 [°C]



Ø	PN	L	Kg
½"	250	93	0,65

CE

M545 Discharge valve

Class 3000

Carbon steel ASTM A105 body, traditional type with PTFE packing, stainless steel stem and disc, GAS threaded F/F connections.
Code: 0545ETDN04

M545/TI: With stainless steel AISI 316 body
Code: 0545ETDN06

M547: With GAS M/F threaded connections
Code: 0547ETDN04

M547/TI: With stainless steel AISI 316 body and GAS M/F threaded connections
Code: 0547ETDN06

Max Press.: 206 [bar] | Max Temp.: + 200 [°C]

On request NPT F/F threaded connections



M545



M547

CE

M545			
Ø	CL.	L	Kg
¼"	3000	60	0,55
⅜"	3000	60	0,55
½"	3000	60	0,55
¾"	3000	70	0,73
1"	3000	75	1
1 ¼"	3000	90	1,15
1 ½"	3000	100	2,7
2"	3000	120	4,05

M547			
Ø	CL.	L	Kg
¼"	3000	60	0,55
½"	3000	60	0,55

M548 Gauge holder valve with resetting screw

Class 3000

Carbon steel ASTM A105 body, traditional type with PTFE packing, stainless steel stem, disc and seat, GAS M/F threaded connections.
Code: 0548ETDN04

M548/TI: With stainless steel AISI 316 body
Code: 0548ETDN06

M549: With control flange
Code: 0549ETDN04

M549/TI: With stainless steel AISI 316 body and control flange
Code: 0549ETDN06

Max Press.: 206 [bar] | Max Temp.: + 200 [°C]

On request NPT F/F threaded connections



M548



M549

CE

M548			
Ø	CL.	L	Kg
¼"	3000	60	0,55
½"	3000	60	0,55

M549			
Ø	CL.	L	Kg
¼"	3000	60	0,55
½"	3000	60	0,55

M616 Free flow balancing valve

PN 25



Bronze body, brass bonnet and inside, disc with PTFE seal gasket, GAS F/F threaded connections, with fast pressure plug.
Code: 0616EVDN11

Max Press.: 25 [bar] | Max Temp.: + 130 [°C]

On request NPT F/F connections

Ø	PN	L	Kg
½"	25	90	0,5
¾"	25	102	0,56
1"	25	110	0,7
1 ¼"	25	121	1
1 ½"	25	142	1,35
2"	25	161	1,93



M67 Free flow balancing valve

PN 16



Cast iron EN-GJL-250 body, with EPDM seal, brass stem, composite material disc.
Code: 0067/DN

Max Press.: 16 [bar] | Max Temp.: + 120 [°C]

On request with flanges ANSI 150

DN	PN	L	Kg
40	16	200	6,1
50	16	230	8,3
65	16	290	13,5
80	16	310	17,8
100	16	350	22,7
125	16	400	34
150	16	480	48,5
200	16	600	114,5
250	16	730	159
300	16	850	210,5
350	16	980	375
400	16	1100	510



Electronic flow rate measuring device for balancing valves



Static pressure, differential pressure and flow measurement.
Remote control with application on mobile device (Android, iOS).



M115 Float valve



PN 16

Nodular cast iron EN-GJS-450-10 body, stainless steel stem, sealing seats and floater, inside and outside epoxy coating.
Code: 0115ACDN01

Max Press.: 16 [bar] | Max Temp.: + 70 [°C]

On request version according to Italian M.D. 174, 06/04/2004

On request with flanges ANSI 150

DN	PN	L	Kg
40	16	230	21
50	16	230	21
65	16	290	26
80	16	310	33
100	16	350	41
125	16	400	49
150	16	480	79
200	16	600	118
250	16	730	215
300	16	850	250



MAINTENANCE
FREE



DRINKING
WATER

M220 Two-way plug cock



PN 10

Cast iron EN-GJL-250 body, cast iron plug.
Code: 0220/DN

M220/GB: With bronze plug
(Max Temp.: + 120 [°C])
Code: 0220/GB/DN

On request DN 80 with 4 holes

Max Press.: 10 [bar] | Max Temp.: + 160 [°C]

Wrench for manoeuvre are provided only upon request

Note: full cast iron version available only up to DN 100

DN	PN	L	Kg
25	10	105	3,5
32	10	120	5
40	10	140	7
50	10	160	10
65	10	230	15
80	10	260	19
100	10	320	30
125	10	355	57
150	10	400	78

M230 Three-way plug cock



PN 10

Cast iron EN-GJL-250 body, and plug
(max operating pressure 6 bar).
Code: 0230/DN

M230/GB: With bronze plug
(Max Temp.: + 120 [°C])
Code: 0230/GB/DN

On request DN 80 with 4 holes

Max Press.: 6 [bar] | Max Temp.: + 160 [°C]

Wrench for manoeuvre are provided only upon request

Note: "T" or "L" bore must be specified at order stage

DN	PN	L	Kg
25	10	150	6
32	10	180	9
40	10	190	11,5
50	10	205	15
65	10	240	21
80	10	260	26
100	10	320	39
125	10	355	67
150	10	400	90

M55 Streamlined flow check valve

PN 16



Cast iron EN-GJL-250 body, stainless steel sealing seats and disc, with spring for vertical installation.
Code: 0055/DN

M55/T: With PTFE interchangeable gasket on the disc (Max Temp.: + 180 [°C])
Code: 0055/T/DN

Max Press.: 16 [bar] | Max Temp.: + 300 [°C]

On request with flanges ANSI 150
On request calibrated springs

DN	PN	L	Kg
15	16	130	2,5
20	16	150	3,2
25	16	160	4
32	16	180	5,7
40	16	200	8,3
50	16	230	10,4
65	16	290	18
80	16	310	20
100	16	350	30,5
125	16	400	41
150	16	480	61
200	16	600	108,5



M56 Streamlined flow check valve

PN 16



Nodular cast iron EN-GJS-400-18-LT body, stainless steel sealing seats and disc, with spring for vertical installation.
Code: 0056/DN

M56/T: With PTFE interchangeable gasket on the disc (Max Temp.: + 180 [°C])
Code: 0056/T/DN

Max Press.: 16 [bar] | Max Temp.: + 350 [°C]

On request with flanges ANSI 150
On request calibrated springs

DN	PN	L	Kg
15	16	130	2,6
20	16	150	3,2
25	16	160	4
32	16	180	5,6
40	16	200	7,9
50	16	230	10,4
65	16	290	18
80	16	310	20,5
100	16	350	28,5
125	16	400	41
150	16	480	54
200	16	600	102
250	16	730	180
300	16	850	260



M57 Streamlined flow check valve

PN 25



Nodular cast iron EN-GJS-400-18-LT body, stainless steel sealing seats and disc, with spring for vertical installation.
Code: 0057/DN

M57/T: With PTFE interchangeable gasket on the disc (Max Temp.: + 180 [°C])
Code: 0057/T/DN

Max Press.: 25 [bar] | Max Temp.: + 350 [°C]

On request with flanges ANSI 150
On request calibrated springs

DN	PN	L	Kg
15	25	130	2,6
20	25	150	3,7
25	25	160	4,7
32	25	180	6,2
40	25	200	9
50	25	230	11
65	25	290	17,4
80	25	310	22,8
100	25	350	35,8
125	25	400	48,8
150	25	480	69
200	25	600	121



M335 Streamlined flow check valve

PN 40



Carbon steel 1.0619 body, stainless steel sealing seats, with spring for vertical installation.
Code: 0335/DN

M338: With stainless steel body
Code: 0338/DN

Max Press.: 40 [bar] | Max Temp.: + 400 [°C]

On request PTFE gasket (Max Temp.: + 180 [°C])
On request flanges ANSI 150
On request BW connections
On request valve series PN 63 (**M337**)

DN	PN	L	Kg
15	40	130	3,5
20	40	150	4,1
25	40	160	4,7
32	40	180	7,3
40	40	200	9,2
50	40	230	11,8
65	40	290	21
80	40	310	24
100	40	350	36
125	40	400	61
150	40	480	82
200	40	600	134
250	40	730	244



MAINTENANCE
FREE

M100 Foot valve with rose pipe

PN 16



Cast iron EN-GJL-250 body, zinc plated steel screen.
Code: 0100/DN

Max Press.: 16 [bar] | Max Temp.: + 80 [°C]

On request VITON gaskets
(Max Temp.: + 150 [°C])

On request with AISI 304 or AISI 316 stainless steel rose pipe
On request stainless steel execution
On request brass execution with GAS threaded connections (**M675**)

DN	PN	H	Kg
40	16	170	6
50	16	185	8
65	16	220	10
80	16	240	12
100	16	265	17
125	16	320	25
150	16	370	32
200	16	460	52
250	16	560	97
300	16	670	144



MAINTENANCE
FREE

M104 vertical check valve

PN 16



Cast iron EN-GJL-250 body, seat and disc, rubber sealing system.
Code: 0104/DN

Max Press.: 16 [bar] | Max Temp.: + 80 [°C]

DN	PN	L	Kg
40	16	180	7
50	16	200	11
65	16	240	14
80	16	260	18
100	16	300	24
125	16	350	35
150	16	400	49
200	16	500	81
250	16	600	153
300	16	700	216



MAINTENANCE
FREE

M106E Spring check valve

PN 16

Cast iron body, disc and guide, rubber sealing system, inside and outside epoxy coating.
Code: 0106EGDN01

Max Press.: 16 [bar] | Max Temp.: + 100 [°C]

On request VITON gaskets
(Max Temp.: + 150 [°C])

On request flanges acc. to ANSI 150

Rose pipe: Galvanized steel strainer basket PN 10/16

On request AISI 304 or AISI 316 execution

DN	PN	L	Kg
40	16	100	5,6
50	16	100	5,6
65	16	120	7,6
80	16	140	9,8
100	16	170	13,8
125	16	200	20,6
150	16	230	28,6
200	16	300	48,6
250	16	370	81,4



MAINTENANCE
FREE



DRINKING
WATER

M107 Ball check valve

PN 16

Nodular cast iron EN-GJS-400-15 body, aluminium ball NBR rubber covered, inside and outside epoxy coating.
Code: 0107EHDN01

Max Press.: 16 [bar] | Max Temp.: + 80 [°C]

DN	PN	L	Kg
40	16	180	6
50	16	200	6,5
65	16	240	11
80	16	260	14,5
100	16	300	20
125	16	350	30,5
150	16	400	42,5
200	16	500	73,5
250	16	600	128
300	16	700	180



MAINTENANCE
FREE

M108 Ball check valve

PN 16

Nodular cast iron EN-GJS-400-15 body, aluminium ball NBR rubber covered, inside and outside epoxy coating.
Code: 0108EHDN01

Max Press.: 16 [bar] | Max Temp.: + 80 [°C]

Ø	PN	L	Kg
1"	16	118	1,5
1 ¼"	16	135	2
1 ½"	16	142	2
2"	16	175	3
2 ½"	16	200	5
3"	16	248	7,5



MAINTENANCE
FREE

M110 Swing check valve

PN 16



Cast iron EN-GJL-250 body, bonnet and swing, NBR rubber seal.
Code: 0110/DN

M110/BIS: With stainless steel inside
Code: 0110/BIS/DN

Max Press.: 16 [bar] | Max Temp.: + 80 [°C]

On request with FASIT gaskets
(Max Temp.: + 150 [°C])

DN	PN	L	Kg
40	16	180	9
50	16	200	10
65	16	240	15
80	16	260	20
100	16	300	26
125	16	350	36
150	16	400	50
200	16	500	73
250	16	600	134
300	16	700	199



MAINTENANCE
FREE

M110E Swing check valve

PN 16



Cast iron EN-GJL-250 body, bonnet and swing, EPDM rubber swing seal.
Code: 0110EVDN01

Max Press.: 16 [bar] | Max Temp.: + 100 [°C]

DN	PN	L	Kg
40	16	180	8,8
50	16	200	12,4
65	16	240	15,2
80	16	260	19,5
100	16	300	27
125	16	350	42
150	16	400	58
200	16	500	93
250	16	600	145
300	16	700	221
350	16	800	265
400	16	900	357



MAINTENANCE
FREE

M112 Check valve "Venturi" type

PN 16



Cast iron EN-GJL-250 body, stainless steel/brass stem and spring, internal and external coating suitable for drinking water.
Code: 0112/DN

M112/PN25: With nodular cast iron body, rating PN 25
Code: 0112/25/DN

M112/PN40: With nodular cast iron body, rating PN 40
Code: 0112/40/DN

Max Press.: 16 [bar] | Max Temp.: + 80 [°C]

DN	PN	L	Kg
40	16	120	7
50	16	120	7
65	16	150	11
80	16	180	13
100	16	240	21
125	16	300	30
150	16	350	45
200	16	400	75
250	16	450	115
300	16	500	145
350	16	600	220
400	16	700	315



MAINTENANCE
FREE



DRINKING
WATER

M114/DM174 Diaphragm non-return valve

DRINKING WATER According to Italian M.D. 174, 06/04/2004



PN 16

Nodular cast iron EN-GJS-400-15, EPDM rubber seal, inside and outside epoxy coating.
Code: 0114/DN

Execution with flanges drilled according to UNI PN 10
Code: 0114/10/DN

Max Press.: 16 [bar] | Max Temp.: + 50 [°C]

DN	PN	L	Kg
40	16	180	12
50	16	200	14,1
65	16	240	16
80	16	260	24
100	16	300	39
125	16	350	41
150	16	400	43
200	16	500	101
250	16	600	146
300	16	700	251
350	16	800	352
400	16	900	423



MAINTENANCE
FREE



DRINKING
WATER

M113/DM174 Swing check valve

DRINKING WATER According to Italian M.D. 174, 06/04/2004



PN 16

Nodular cast iron EN-GJS-400-15, EPDM rubber seal, inside and outside epoxy coating.
Code: 0113EIDN01

Execution with flanges drilled according to UNI PN 10
Code: 0113EIDN0110

Max Press.: 16 [bar] | Max Temp.: + 60 [°C]

DN	PN	L	Kg
40	16	180	10
50	16	200	12
65	16	240	16
80	16	260	20
100	16	300	28
125	16	350	48
150	16	400	60
200	16	500	116
250	16	600	162
300	16	700	222
350	16	800	300
400	16	900	425
500	16	1100	618



MAINTENANCE
FREE



DRINKING
WATER

M380 Swing check valve

PN 25

Carbon steel 1.0619 body, stainless steel sealing seats, metal seated.
Code: 0380/DN

M381: PN 40 version
Code: 0381/DN

M380E: PN 16 version
Code: 0380EKDN04

Max Press.: 25 [bar] | Max Temp.: + 450 [°C]

On request PN 40 with stainless steel body
On request flanges ANSI 150



DN	PN	L	L	L	Kg
(M380) (M381) (M380E)					
50	25	200	230	230	15
65	25	240	-	290	24
80	25	260	310	310	28
100	25	300	350	350	38
125	25	350	-	400	58
150	25	400	480	480	96
200	25	500	600	600	131
250	25	600	730	730	212
300	25	700	850	850	273
350	25	800	980	980	440
400	25	900	1100	1100	465



MAINTENANCE
FREE

M376 Swing check valve Wafer type

PN 16

Carbon steel ASTM A105 body and disc,
NBR o-rings, suitable to be assembled
between flanges UNI PN 16/ANSI 150.
Code: 0376EKDN0404

M376/I: With AISI 316 stainless steel body,
with VITON o-rings
Code: 0376EGDN0608

Max Press.: 16 [bar] | Max Temp.: + 100 [°C]

On request with PTFE, VITON, EPDM gaskets

DN	PN	L	Kg
40	16	14	0,65
50	16	14	1
65	16	14	1,3
80	16	14	1,6
100	16	14	2
125	16	16	3
150	16	19	5
200	16	29	11
250	16	32	15
300	16	38	25



MAINTENANCE
FREE

M377/BR Disc check valve Wafer type

PN 16

Brass body, metal seated, suitable to be
assembled between flanges UNI PN 16.
Code: 0377EDDN12

Max Press.: 16 [bar] | Max Temp.: + 120 [°C]

DN	PN	L	Kg
15	16	16	0,09
20	16	19	0,12
25	16	22	0,19
32	16	28	0,36
40	16	31,5	0,55
50	16	40	0,95
65	16	46	1,26
80	16	50	2,18
100	16	60	3,26



MAINTENANCE
FREE

M377/GH Disc check valve Wafer type

PN 16

Nodular cast iron EN-GJS-400-15 body,
metal seated, suitable to be assembled
between flanges UNI PN 16/ANSI 150.
Code: 0377GHDN03

Max Press.: 16 [bar] | Max Temp.: + 200 [°C]

On request, from DN 40 to DN 100
execution with cast iron EN-GJL-250 body,
NBR seated (Max Temp.: + 100 [°C])

DN	PN	L	Kg
40	16	31,5	0,6
50	16	40	1,1
65	16	46	1,6
80	16	50	2,3
100	16	60	3,3
125	16	90	6,5
150	16	106	8,3
200	16	142	14,5



MAINTENANCE
FREE

M377/I Disc check valve Wafer type

PN 40



Stainless steel AISI 316 body, metal seated,
suitable to be assembled between flanges
UNI PN 40/ANSI 150.
Code: 0377EKDN0608

Max Press.: 40 [bar] | Max Temp.: + 400 [°C]

On request with NBR, PTFE, VITON gaskets

DN	PN	L	Kg
15	40	16	0,1
20	40	19	0,15
25	40	22	0,25
32	40	28	0,4
40	40	31,5	0,6
50	40	40	0,8
65	40	46	1,3
80	40	50	1,9
100	40	60	2,8
125	40	90	5,5
150	40	106	8,3
200	40	142	16,1



MAINTENANCE
FREE

M379 Double swing check valve Wafer type

PN 16



Cast iron EN-GJL-250 body, nickel plated carbon
steel double swing, EPDM gasket, suitable to be
assembled between flanges UNI PN 16.
Code: 0379EKDN0104E

M379/BI: With stainless steel double swing
Code: 0379EKDN01008E

Max Press.: 16 [bar] | Max Temp.: + 100 [°C]

On request with NBR gasket
On request bigger sizes

DN	PN	L	Kg
50	16	54	1,9
65	16	54	2,7
80	16	57	3,5
100	16	64	4,7
125	16	70	7,2
150	16	76	9,5
200	16	95	16,5
250	16	108	28
300	16	144	42,5
350	16	127	48
400	16	140	65



MAINTENANCE
FREE

M603 Check globe valves

PN 16



Bronze body, brass disc, plug and ring nut,
GAS F/F threaded connections.
Code: 0603/DN

Max Press.: 16 [bar] | Max Temp.: + 180 [°C]

On request with flanged connections (M1060)
On request with PTFE sealing system

Ø	PN	L	Kg
1/4"	16	54	0,24
3/8"	16	54	0,22
1/2"	16	59	0,29
3/4"	16	71	0,49
1"	16	81	0,72
1 1/4"	16	96	1,15
1 1/2"	16	104	1,4
2"	16	128	2,2
2 1/2"	16	155	4,4
3"	16	173	6,2
4"	16	199	10,3



M635 Swing check valve

PN 16



Brass body, inside brass, disc with soft NBR seal, GAS F/F threaded connections.
Code: 0635/DN

Max Press.: 16 [bar] | Max Temp.: + 95 [°C]

Note: max working pressure 16 [bar] up to Ø 3", above 10 [bar]

Ø	PN	L	Kg
3/8"	16	47	0,17
1/2"	16	47	0,15
3/4"	16	54	0,2
1"	16	64	0,33
1 1/4"	16	75	0,5
1 1/2"	16	83	0,66
2"	16	98	1
2 1/2"	16	116	1,57
3"	16	135	2,26
4"	10	164	3,93



MAINTENANCE
FREE

M664 Universal check valve

PN 16



Brass body, disc with soft NBR seal,
GAS F/F threaded connections.
Code: 0664/DN

Max Press.: 16 [bar] | Max Temp.: + 95 [°C]

NOTE: Max working pressure 16 [bar] up to Ø 1", from Ø 1 1/4" up to Ø 2" 10 [bar], above 8 [bar]

On request PN 25 version

Ø	PN	L	Kg
3/8"	16	45	0,09
1/2"	16	48	0,1
3/4"	16	53	0,16
1"	16	59	0,23
1 1/4"	10	66	0,35
1 1/2"	10	71	0,47
2"	10	80	0,71
2 1/2"	8	93	1,26
3"	8	104	1,81
4"	8	119	3,1



MAINTENANCE
FREE



DRINKING
WATER

M664E Universal check valve

PN 63



Stainless steel AISI 316 body, disc with
metallic seal, GAS F/F threaded connections.
Code: 0664EGDN06

Max Press.: 63 [bar] | Max Temp.: + 240 [°C]

On request NPT F/F threaded connections
On request execution with PTFE seal
On request carbon steel body

Ø	PN	L	Kg
1/2"	63	56	0,21
3/4"	63	63	0,29
1"	63	74	0,41
1 1/4"	63	81	0,66
1 1/2"	63	91	0,99
2"	63	97	1,42
2 1/2"	63	118	2,44
3"	63	138	3,8
4"	63	158	6,6



MAINTENANCE
FREE

M1165 Swing check valve



Class 150

Carbon steel ASTM A216 WCB body, TRIM 8,
full bore, connection flanges ANSI 150 RF.
Code: 1165/DN

Max Press.: 19,7 [bar] | Max Temp.: + 454 [°C]

On request with stainless steel body
On request execution Class 300/Class 600

Ø	CL.	L	Kg
2"	150	203	19
2 ½"	150	216	21
3"	150	241	29
4"	150	292	49
6"	150	406	77
8"	150	495	140
10"	150	622	207
12"	150	698	330

CE

M1215 Piston check valve



Class 800

Carbon steel ASTM A 105 body, TRIM 1,
reduced bore, NPT F/F threaded or
SW connections.
Code: 1215/PR/DN

M1220: With swing
Code: 1220/PR/DN

Max Press.: 136,2 [bar] | Max Temp.: + 427 [°C]

On request with stainless steel body
On request with flanged connections
On request full bore version

Ø	CL.	L	Kg
½"	800	80	1,1
¾"	800	90	1,8
1"	800	110	2,6
1 ¼"	800	127	4,5
1 ½"	800	130	5,5
2"	800	150	8,4

CE

M124E LUG butterfly valve

PN 16

Nodular cast iron EN-GJS-400-15 body, polyester coated nodular cast iron disc, EPDM liner, with lever up to DN 200, over with gearbox.
Code: 0124EHDN0309ELN

M124E/FI: With AISI 316 stainless steel disc
Code: 0124EHDN0308ELN

Gearbox
Code: RID.H/DN

On request execution with NBR liner

Max Press.: 16 [bar] | Max Temp.: + 120 [°C]

On request suitable for flanges ANSI 150
On request DN 200-250 suitable for flanges UNI PN 10

On request execution with:

- NBR, PTFE, VITON gaskets
- carbon steel or stainless steel body
- lever with locking system



MAINTENANCE
FREE

DN	PN	L	Kg
25	16	33	1,5
32	16	33	1,5
40	16	33	3
50	16	43	3
65	16	46	4
80	16	46	6
100	16	52	8
125	16	56	10
150	16	56	12,5
200	16	60	20
250	16	68	30
300	16	78	39
350	16	78	51
400	16	102	73
450	16	114	118
500	16	127	175
600	16	154	260

M124E/DM174 LUG butterfly valve

DRINKING WATER According to Italian M.D. 174, 06/04/2004

PN 16

Nodular cast iron EN-GJS-400-15 body, AISI 316 stainless steel disc, EPDM liner, with lever up to DN 200, over with gearbox.
Code: 0124EHDN0308ELNDM174

Gearbox
Code: RID.H/DN

Max Press.: 16 [bar] | Max Temp.: + 120 [°C]



MAINTENANCE
FREE



DRINKING
WATER

DN	PN	L	Kg
40	16	33	3
50	16	43	3
65	16	46	4
80	16	46	6
100	16	52	8
125	16	56	10
150	16	56	12,5
200	16	60	20
250	16	68	30
300	16	78	39

M124E/GAS LUG butterfly valve suitable for GAS

PN 16

Nodular cast iron EN-GJS-400-15 body, nickel plated nodular cast iron disc, NBR liner, with lever.
Code: 0124EEDN0307NLG

Note: produced according to UNI/TR 11354, suitable for natural gas (methane) pipelines, up to a maximum pressure of 5 [bar]

Max Press.: 5 [bar] | Max Temp.: + 60 [°C]



MAINTENANCE
FREE

DN	PN	L	Kg
40	16	33	2,7
50	16	43	2,9
65	16	46	4,1
80	16	46	4,4
100	16	52	4,7
125	16	56	6,3
150	16	56	7,9
200	16	60	12,3

M135E SEMILUG butterfly valve

PN 16



Nodular cast iron EN-GJS-400-15 body, polyester coated nodular cast iron disc, EPDM liner, with lever up to DN 200, over with gear box, suitable to be assembled between flanges UNI PN 10/16 and ANSI 150.
Code: 0135EHDN0309ELN

M135E/FI: With AISI 316 stainless steel disc
Code: 0135EHDN0308ELN

Gearbox
Code: RID.H/DN

Max Press.: 16 [bar] | Max Temp.: + 120 [°C]

On request execution with:
- NBR, PTFE, VITON gaskets
- carbon steel or stainless steel body
- lever with locking system

DN	PN	L	Kg
25	16	33	2
32	16	33	2
40	16	33	2,5
50	16	43	2,5
65	16	46	3
80	16	46	4
100	16	52	6
125	16	56	7,5
150	16	56	9,5
200	16	60	14
250	16	68	23
300	16	78	30
350	16	78	40
400	16	102	57



MAINTENANCE
FREE

M135E/DM174 SEMILUG butterfly valve

DRINKING WATER According to Italian M.D. 174, 06/04/2004

PN 16



Nodular cast iron EN-GJS-400-15 body, AISI 316 stainless steel disc, EPDM liner, with lever up to DN 200, over with gear box, suitable to be assembled between flanges UNI PN 10/16 and ANSI 150.
Code: 0135EHDN0308ELNDM174

Gearbox
Code: RID.H/DN

Max Press.: 16 [bar] | Max Temp.: + 120 [°C]

DN	PN	L	Kg
40	16	33	2,5
50	16	43	2,5
65	16	46	3
80	16	46	4
100	16	52	6
125	16	56	7,5
150	16	56	9,5
200	16	60	14
250	16	68	23
300	16	78	30



MAINTENANCE
FREE



DRINKING
WATER

On request, butterfly valves complete with actuators:

Electric



Pneumatic
& related
accessories



Single and
Double acting

Namur solenoid
valve

Limit switch
box

Declutchable
gearbox

M184E LUG butterfly valve

PN 16

Nodular cast iron EN-GJS-400-15 body,
polyester coated nodular cast iron disc,
EPDM liner, with lever up to DN 200,
over with gearbox.
Code: 0124EHDN0309ELN

M124E/FI: With AISI 316 stainless steel disc
Code: 0124EHDN0308ELN

Gearbox
Code: RID.H/DN

Max Press.: 16 [bar] | Max Temp.: + 120 [°C]

DN	PN	L	Kg
40	16	33	3
50	16	43	3
65	16	46	4
80	16	46	6
100	16	52	8
125	16	56	10
150	16	56	12,5
200	16	60	20
250	16	68	30
300	16	78	39
350	16	78	51
400	16	102	73



MAINTENANCE
FREE

M185E SEMILUG butterfly valve

PN 16

Nodular cast iron EN-GJS-400-15 body,
polyester coated nodular cast iron disc,
EPDM liner, with lever up to DN 200,
over with gear box, suitable to be assembled
between flanges UNI PN 10/16 and ANSI 150.
Code: 0135EHDN0309ELN

M135E/FI: With AISI 316 stainless steel disc
Code: 0135EHDN0308ELN

Gearbox
Code: RID.H/DN

Max Press.: 16 [bar] | Max Temp.: + 120 [°C]

DN	PN	L	Kg
40	16	33	2,5
50	16	43	2,5
65	16	46	3
80	16	46	4
100	16	52	6
125	16	56	7,5
150	16	56	9,5
200	16	60	14
250	16	68	23
300	16	78	30
350	16	78	40
400	16	102	57



MAINTENANCE
FREE

Pneumatic actuator



Pneumatic actuator with aluminum body with double and single acting versions with return springs. Equipped, as standard, with a multi-function open-closed upper indicator and opening/closing adjustment. All actuators are SIL certified (in compliance with IEC 61508:2010), and are also compliant with the ATEX Directive 2014/34/EU.

Note: The actuators have been sized for 6 [bar] air supply

The following accessories are available on request:

- NAMUR 3/2 and/or 5/2 control solenoid valve with supply voltage (to be specified when ordering).
Price: 102,50 €/each

- Aluminum limit switch box (model SB200) with 2 Honeywell SPDT mechanical limit switches for open/closed signaling.
Price: 151,00 €/each

- Technopolymer limit switch box (SB700 model) with 2 Omron SPDT mechanical limit switches for open/closed signaling.
Price: 128,50 €/each



DN	Code double acting	Code single acting
40	RA040DA	RA063SR
50	RA040DA	RA063SR
65	RA040DA	RA063SR
80	RA052DA	RA075SR
100	RA063DA	RA083SR
125	RA083DA	RA105SR
150	RA083DA	RA125SR
200	RA105DA	RA140SR
250	RA140DA	RA160SR
300	RA160DA	RA210SR

Note: only for M124E and M135E

Electric actuator on/off



IP 67 electric actuator with emergency key, made of die-cast aluminum with steel gears and bronze worm screw. It guarantees high performance and reliability over time.
Brand: AOX

DN	Code 24 VDC / 230 VAC	Code 380 VAC
40	AOX-003	AOX-005
50	AOX-003	AOX-005
65	AOX-003	AOX-005
80	AOX-003	AOX-005
100	AOX-005	AOX-005
125	AOX-008	AOX-008
150	AOX-010	AOX-010
200	AOX-020	AOX-020
250	AOX-040	AOX-040
300	AOX-060	AOX-060

Note: only for M124E and M135E



Electric actuator on/off



IP 68 electric actuator, made of die-cast aluminum with steel gears and bronze worm screw. It guarantees high performance and reliability over time.
Brand: BERNARD CONTROLS
Model: AQ-SWITCH

DN	Code 24 VDC / 230 VAC	Code 380 VAC
40	AQ1L	AQ5
50	AQ1L	AQ5
65	AQ3L	AQ5
80	AQ3L	AQ5
100	AQ7L	AQ5
125	AQ7L	AQ10
150	AQ10	A10
200	AQ25	AQ25
250	AQ50	AQ50
300	AQ80	AQ80

Note: only for M124E and M135E



M233 Ball valve

PN 16



Nodular cast iron EN-GJS-400-15 body, chromium plated brass ball, PTFE gaskets.
Code: 0233/DN

M233/TI: With AISI 304 ball and stem
Code: 0233/TI/DN

Max Press.: 16 [bar] | Max Temp.: + 100 [°C]

Note: DN 250 manufactured with EN-GJL-250 gray cast iron body and manoeuver with gearbox

On request WAFER type (M232)
On request VITON gaskets
(Max Temp.: + 150 [°C])
On request with flanges ANSI 150



MAINTENANCE
FREE



DRINKING
WATER

DN	PN	L	Kg
15	16	115	2,6
20	16	120	3,3
25	16	125	4,2
32	16	130	5,8
40	16	140	7,5
50	16	150	9
65	16	170	10,5
80	16	180	15,5
100	16	190	18,5
125	16	200	28
150	16	210	38,5
200	16	400	93
250	16	450	180

M233/GAS Ball valve suitable for GAS

PN 16



Nodular cast iron EN-GJS-400-15 body, chromium plated brass ball, PTFE gaskets, GAS approved.
Code: 0233/GAS/DN

Max Press.: 16 [bar] | Max Temp.: + 70 [°C]

On request with flanges ANSI 150



MAINTENANCE
FREE

DN	PN	L	Kg
15	16	115	2,6
20	16	120	3,3
25	16	125	4,2
32	16	130	5,8
40	16	140	7,5
50	16	150	9
65	16	170	10,5
80	16	180	15,5
100	16	190	18,5
125	16	200	28
150	16	210	38,5
200	16	400	93

M234 Diverter three-way ball valve

PN 16



Nodular cast iron EN-GJS-400-15 body, chromium plated brass ball with "L" bore, PTFE gaskets.
Code: 0234/DN

Max Press.: 16 [bar] | Max Temp.: + 100 [°C]

On request VITON gaskets
(Max Temp.: + 150 [°C])
On request with flanges ANSI 150



MAINTENANCE
FREE



DRINKING
WATER

DN	PN	L	Kg
50	16	320	20
65	16	350	26
80	16	390	34,5
100	16	430	44
125	16	490	70
150	16	570	104

M441 One piece ball valve

Class 800

Carbon steel ASTM A105 body, stainless steel
AISI 304 ball, PTFE seats, GAS F/F threaded
connections.
Code: 0441/DN

M441/TI: With AISI 316 stainless steel body
Code: 0441/TI/DN

Max Press.: 105 [bar] | Max Temp.: + 180 [°C]

On request execution Ø ¼" - ¾"

On request NPT F/F threaded connections

Ø	CL.	L	Kg
½"	800	75	0,8
¾"	800	90	1,45
1"	800	100	2,1
1 ¼"	800	115	3
1 ½"	800	128	3,85
2"	800	150	6,8
2 ½"	800	195	13
3"	800	203	15,55
4"	800	230	28



MAINTENANCE
FREE

M441E One piece ball valve with micro-casted body

PN 63

Stainless steel AISI 316 body, stainless steel
AISI 316 ball, PTFE seats, GAS F/F threaded
connections.
Code: 0441EGDN06

Max Press.: 63 [bar] | Max Temp.: + 180 [°C]

On request execution Ø ¼" - ¾"

On request NPT F/F threaded connections

Ø	PN	L	Kg
½"	63	55	0,24
¾"	63	70	0,44
1"	63	83	0,6
1 ¼"	63	91	1,1
1 ½"	63	103	1,6
2"	63	120	2,6
2 ½"	63	152	4,7
3"	63	172	7,3



MAINTENANCE
FREE

M442 Three pieces ball valve

Class 800

Carbon steel ASTM A105 body, stainless steel
AISI 304 ball, PTFE seats, GAS F/F threaded
or SW connections.
Code: 0442/DN

M442/TI: EWith stainless steel AISI 316 body
Code: 0442/TI/DN

Max Press.: 105 [bar] | Max Temp.: + 180 [°C]

On request execution Ø ¼" - ¾"

On request NPT F/F threaded connections

On request extension for insulation 10 [cm]

Ø	CL.	L	Kg
½"	800	80	0,7
¾"	800	95	1,4
1"	800	105	2,2
1 ¼"	800	120	3,3
1 ½"	800	130	4,3
2"	800	145	7,3
2 ½"	800	205	11
3"	800	210	15
4"	800	246	25



MAINTENANCE
FREE



M442E Three pieces ball valve with micro-casted body

PN 63

Stainless steel AISI 316 body, stainless steel
AISI 316 ball, PTFE seats, GAS F/F threaded
or SW connections.
Code: 0442EGDN06

Max Press.: 63 [bar] | Max Temp.: + 180 [°C]

On request execution Ø 1/4" - 3/8"
On request NPT F/F threaded connections
On request extension for insulation 5 [cm]

Ø	PN	L	Kg
1/2"	63	56	0,44
3/4"	63	73	0,8
1"	63	82	1
1 1/4"	63	91	1,8
1 1/2"	63	104	2,5
2"	63	120	3,5
2 1/2"	63	155	8,5
3"	63	182	12,4
4"	63	220	19,6



MAINTENANCE
FREE



PN 63

Stainless steel AISI 316 body, stainless steel
AISI 316 ball, PTFE seats, GAS F/F/F threaded
connections.
Code: 0443EGDN06

Max Press.: 63 [bar] | Max Temp.: + 180 [°C]

Note: "T" or "L" bore must be specified at
order stage

On request execution Ø 1/4" - 3/8"
On request NPT F/F threaded connections

Ø	PN	L	Kg
1/2"	63	75	0,6
3/4"	63	85	0,9
1"	63	100	1,4
1 1/4"	63	122	2,9
1 1/2"	63	131	3,6
2"	63	158	6,2
2 1/2"	63	178	8,9



MAINTENANCE
FREE



PN 16

Carbon steel ASTM A105 body, stainless steel
AISI 304 ball, PTFE seat rings, connection
UNI PN 16 flanges.
Code: 0446/DN

M446/Ti: With stainless steel AISI 316 body
Code: 0446/Ti/DN

Max Press.: 16 [bar] | Max Temp.: + 180 [°C]

Note: DN 125 and 150 three-piece valve
construction

On request ANSI 150/ANSI 300 series

DN	PN	L	Kg
15	16	115	2,7
20	16	120	4
25	16	125	6
32	16	130	7
40	16	140	12
50	16	150	14
65	16	170	21
80	16	180	22
100	16	190	36
125	16	325	60
150	16	350	70



MAINTENANCE
FREE

M446E “Split body” ball valve with micro-casted body

PN 40/16

Stainless steel AISI 316 body, stainless steel
AISI 316 ball, PTFE seats,
connection UNI PN 16 flanges.
Code: 0446EGDN06

From DN 15 up to DN 50:
Max Press.: 40 [bar] | Max Temp.: + 180 [°C]

From DN 65 up to DN 150:
Max Press.: 16 [bar] | Max Temp.: + 180 [°C]

DN	PN	L	Kg
15	40	115	2,2
20	40	120	3
25	40	125	3,8
32	40	130	5,8
40	40	140	7
50	40	150	9,5
65	16	170	14,8
80	16	180	18,9
100	16	190	26,3
125	16	325	38
150	16	350	51



MAINTENANCE
FREE

M447 Ball valve Wafer type

PN 40/16

Carbon steel ASTM A105 body, stainless steel
AISI 304 ball, PTFE seat rings, suitable to be
assembled between flanges UNI PN 40/16.
Code: 0447/DN

M447/TI: With stainless steel AISI 316 body
Code: 0447/TI/DN

From DN 15 up to DN 50:
Max Press.: 40 [bar] | Max Temp.: + 180 [°C]

From DN 65 up to DN 150:
Max Press.: 16 [bar] | Max Temp.: + 180 [°C]

On request suitable to be assembled between
flanges ANSI 150

DN	PN	L	Kg
15	40	35	1,5
20	40	42	2
25	40	46	2,7
32	40	55	3,8
40	40	66	6,5
50	40	72	8
65	16	98	15
80	16	120	20
100	16	140	30
125	16	177	47
150	16	210	69



MAINTENANCE
FREE

M447E Ball valve Wafer type with micro-casted body

PN 16

Stainless steel AISI 316 body, stainless steel
AISI 316 ball, PTFE seats, suitable to be
assembled between flanges UNI PN 16.
Code: 0447EGDN06

Max Press.: 16 [bar] | Max Temp.: + 180 [°C]

DN	PN	L	Kg
15	16	36	1,7
20	16	38	1,9
25	16	50	2,5
32	16	53	3,5
40	16	65	4,4
50	16	78	5,5
65	16	98	7,8
80	16	118	10,3
100	16	140	18



MAINTENANCE
FREE

M735/25 Ball valve full bore

PN 25



Brass body, chromium plated brass ball,
PTFE sealing, GAS F/F threaded connections.
Code: 0735/25/DN

M735/ACS25: Execution certified for drinking
water ACS
Code: 0735/ACS25/DN

Max Press.: 25 [bar] | Max Temp.: + 40 [°C]
Max Press.: 16 [bar] | Max Temp.: + 95 [°C]
Max Press.: 10 [bar] | Max Temp.: + 120 [°C]

Ø	PN	L	Kg
½"	25	56	0,21
¾"	25	64	0,31
1"	25	74	0,48
1 ¼"	25	85	0,64
1 ½"	25	98	1,08
2"	25	110	1,51
2 ½"	25	134	2,85
3"	25	160	4,8



MAINTENANCE
FREE



DRINKING
WATER

M735 Ball valve full bore

PN 40



M735



M737

Brass body, chromium plated brass ball,
PTFE sealing, GAS F/F threaded connections.
Code: 0735/DN

M735/PR: With stem extension for insulation
Code: 0735/PR/DN

M735/ACS: Execution certified for drinking
water ACS
Codice: 0735/ACS/DN

Max Press.: 40 [bar] | Max Temp.: + 120 [°C]

NOTE: max working pressure 40 [bar] up to
Ø 2", from Ø 2 ½" to Ø 3" 25 [bar], above 20 [bar]

With butterfly lever available up to Ø 1 ¼"
(M737) at the same price

Ø	PN	L	Kg
¼"	40	44	0,12
¾"	40	45	0,12
½"	40	56	0,21
¾"	40	64	0,31
1"	40	74	0,48
1 ¼"	40	85	0,64
1 ½"	40	98	1,08
2"	40	110	1,51
2 ½"	25	134	2,85
3"	25	160	4,8
4"	20	186	7,5



MAINTENANCE
FREE



DRINKING
WATER

M736 Ball valve full bore

PN 40



M736



M737/MF

Brass body, chromium plated brass ball,
PTFE sealing, threaded GAS F/F connections.
Code: 0736/DN

M736/PR: With stem extension for insulation
Code: 0736/PR/DN

Max Press.: 40 [bar] | Max Temp.: + 120 [°C]

With butterfly lever available up to Ø 1 ¼"
(M737/MF) at the same price

Ø	PN	L	Kg
¼"	40	44	0,09
¾"	40	45	0,1
½"	40	54	0,2
¾"	40	62	0,3
1"	40	73	0,46
1 ¼"	40	85	0,62
1 ½"	40	96	0,99
2"	40	110	1,45



MAINTENANCE
FREE

M263/DM174 Y sediment collecting strainer

DRINKING WATER According to Italian M.D. 174, 06/04/2004

PN 16



Cast iron EN-GJL-250 body, wire cloth AISI 304 stainless steel extractable screen, drain plug on the cover from DN 65 and above, inside and outside epoxy coating.
Code: 0263EIDN01

Max Press.: 16 [bar] | Max Temp.: + 60 [°C]

On request with nodular cast iron body UNI PN 16
On request with nodular cast iron body UNI PN 25
On request with carbon steel body UNI PN 40

DN	PN	L	Kg
15	16	130	2,2
20	16	150	3,3
25	16	160	3,8
32	16	180	5
40	16	200	6,8
50	16	230	7,5
65	16	290	11,2
80	16	310	15,4
100	16	350	23
125	16	400	33,5
150	16	480	47,5
200	16	600	99,5
250	16	730	162
300	16	850	280

CE



M264 Y sediment collecting strainer

PN 16



Cast iron EN-GJL-250 body, wire cloth AISI 304 stainless steel extractable screen, GAS F/F threaded connections.
Code: 0264EIDN01

Max Press.: 16 [bar] | Max Temp.: + 200 [°C]

On request special screen

Ø	PN	L	Kg
½"	16	85	0,6
¾"	16	100	0,9
1"	16	120	1,4
1 ¼"	16	140	2
1 ½"	16	160	3
2"	16	190	5

CE

M265E Y sediment collecting strainer

PN 16



Cast iron EN-GJL-250 body, perforated sheet AISI 304 stainless steel extractable screen, drain plug on cover from DN 65 and above.
Code: 0265MV/DN

Max Press.: 16 [bar] | Max Temp.: + 200 [°C]

DN	PN	L	Kg
15	16	130	2,5
20	16	150	3,2
25	16	160	3,9
32	16	180	5,4
40	16	200	6,9
50	16	230	9,1
65	16	290	11,5
80	16	310	15
100	16	350	23
125	16	400	32,5
150	16	480	47,5
200	16	600	101,5
250	16	730	154,5
300	16	850	214,5
350	16	980	294
400	16	1100	388

CE

M265 Y sediment collecting strainer

PN 16



Cast iron EN-GJL-250 body, wire cloth AISI 304 stainless steel extractable screen, drain plug on the cover from DN 65 and above.
Code: 0265EIDN01

Max Press.: 16 [bar] | Max Temp.: + 300 [°C]

On request special screen
On request DN 350 and 400
On request with flanges UNI PN 10 or ANSI 150

DN	PN	L	Kg
15	16	130	2,2
20	16	150	3,3
25	16	160	3,8
32	16	180	5
40	16	200	6,8
50	16	230	7,5
65	16	290	11,2
80	16	310	15,4
100	16	350	23
125	16	400	33,5
150	16	480	47,5
200	16	600	99,5
250	16	730	162
300	16	850	280

CE

M266 Y sediment collecting strainer

PN 16



Nodular cast iron EN-GJS-400-18-LT body, wire cloth AISI 304 stainless steel extractable screen, drain plug on cover from DN 65 and above.
Code: 0266EIDN03

M266/25: PN 25 version
Code: 0266EIDN032

Max Press.: 16 [bar] | Max Temp.: + 350 [°C]

On request special screen
On request with flanges ANSI 150

DN	PN	L	Kg
15	16	130	2,5
20	16	150	2,7
25	16	160	3,8
32	16	180	4,9
40	16	200	6,9
50	16	230	9,2
65	16	290	11,5
80	16	310	15
100	16	350	22,5
125	16	400	31,5
150	16	480	43
200	16	600	109
250	16	730	153,5
300	16	850	221,5

CE

M267 Streamlined sediment collecting strainer

PN 16



Nodular cast iron EN-GJS-400-18-LT body, perforated sheet AISI 304 stainless steel extractable screen.
Code: 0267/DN

M501: PN 25 version
Code: 0268/DN

M501: Execution on carbon steel PN 40
Code: 0501/DN

M502: Execution on stainless steel PN 40
Code: 0502/DN

Max Press.: 16 [bar] | Max Temp.: + 350 [°C]

On request with flanges ANSI 150

DN	PN	L	Kg
15	16	130	2,3
20	16	150	3,1
25	16	160	4,2
32	16	180	5,5
40	16	200	8,2
50	16	230	9,7
65	16	290	17
80	16	310	19,5
100	16	350	25
125	16	400	38
150	16	480	50
200	16	600	94,5
250	16	730	149
300	16	850	208

CE

M498 "Top hat" type strainer

PN 40

Perforated sheet stainless steel AISI 304 body, suitable to be assembled between flanges UNI PN 40.
Code: 0498/DN

Max Press.: 40 [bar] | Max Temp.: + 400 [°C]

On request with stainless steel AISI 316 body
On request suitable to be assembled between flanges UNI PN 6/10/16 or ANSI 150
On request "cutted top hat" execution



DN	PN	L
40	40	70
50	40	125
65	40	160
80	40	200
100	40	250
125	40	300
150	40	370
200	40	450
250	40	580
300	40	700

M499 Y sediment collecting strainer

Class 800

Carbon steel ASTM A105 body, perforated sheet AISI 304 stainless steel extractable screen, threaded GAS F/F or NPT F/F or SW connections.
Code: 0499/DN

M499/I: With stainless steel AISI 316 body
Code: 0499/INOX/DN

Max Press.: 136,2 [bar] | Max Temp.: + 454 [°C]

On request special screen



Ø	CL.	L	Kg
¼"	800	90	0,7
¾"	800	90	0,7
½"	800	90	0,7
¾"	800	110	1,2
1"	800	130	1,9
1 ¼"	800	160	4,9
1 ½"	800	160	4,5
2"	800	160	6,6

CE

M499E Y sediment collecting strainer with micro-casted body

PN 40

Stainless steel AISI 316 body, perforated sheet AISI 316 stainless steel extractable screen, GAS F/F threaded connections.
Code: 0499EKDN06

Max Press.: 40 [bar] | Max Temp.: + 240 [°C]

On request special executions as NPT F/F connections or SW connections, graphite gaskets, cover plug and special screen



Ø	PN	L	Kg
¼"	40	65	0,29
¾"	40	65	0,21
½"	40	65	0,22
¾"	40	80	0,35
1"	40	90	0,66
1 ¼"	40	105	0,77
1 ½"	40	120	1,15
2"	40	140	1,76

CE

M500 Y sediment collecting strainer

PN 40



Carbon steel 1.0169 body, perforated sheet
AISI 304 stainless steel extractable screen,
drain plug on the cover.
Code: 0500EKDN04

Max Press.: 40 [bar] | Max Temp.: + 400 [°C]

On request special screen
On request with flanges UNI PN 16 o ANSI 150

DN	PN	L	Kg
15	40	130	2,5
20	40	150	4
25	40	160	5,5
32	40	180	7
40	40	200	9
50	40	230	11,5
65	40	290	16
80	40	310	21
100	40	350	30,5
125	40	400	44
150	40	480	63
200	40	600	117
250	40	730	234
300	40	850	332

CE

M500/INOX Y sediment collecting strainer

PN 40



Stainless steel GX5 CrNiMo 19-11-2 body,
wire cloth AISI 316 extractable screen,
drain plug on the cover.
Code: 0500IKDN06

Max Press.: 40 [bar] | Max Temp.: + 400 [°C]

M500/INOX/16: PN 16 version
Code: 0500IKDN0616

Max Press.: 16 [bar] | Max Temp.: + 400 [°C]

On request special screen

DN	PN	L	Kg
15	40	130	2,5
20	40	150	3,5
25	40	160	4,5
32	40	180	6
40	40	200	7,5
50	40	230	10
65	40	290	14,5
80	40	310	19
100	40	350	31,5
125	40	400	44
150	40	480	63
200	40	600	117
250	40	730	234

CE

M503 Y sediment collecting strainer with micro-casted body

PN 16



Stainless steel AISI 316 body, expanded metal
sheets AISI 316 stainless steel extractable
screen, electrowelded flanges UNI PN 16.
Code: 0503/DN

M503/304: With stainless steel AISI 304
electrowelded flanges
Code: 0503ABDN0610

Max Press.: 16 [bar] | Max Temp.: + 400 [°C]

On request drain plug
On request special screen
On request flanges ANSI 150

DN	PN	L	Kg
15	16	130	2
20	16	150	2,7
25	16	160	2,9
32	16	180	4,5
40	16	200	5,7
50	16	230	6,7
65	16	290	10,5
80	16	310	14,5
100	16	350	20
125	16	400	30,4
150	16	480	28
200	16	400	30,4

CE

M691 Y sediment collecting strainer



PN 16

Brass body, expanded metal sheets AISI 304
stainless steel extractable screen,
GAS F/F threaded connections.
Code: 0691/DN

M691/OT: With brass execution
Code: 0691/OT/DN

Max Press.: 16 [bar] | Max Temp.: + 110 [°C]

On request with flanged connections (M1095)

Ø	PN	L	Kg
3/8"	16	55	0,18
1/2"	16	58	0,22
3/4"	16	69	0,3
1"	16	82	0,45
1 1/4"	16	99	0,74
1 1/2"	16	108	0,92
2"	16	131	1,6
2 1/2"	16	149	2,5
3"	16	172	3,2
4"	16	219	7,1



M1167 Strainer



Class 150

Carbon steel ASTM A216 WCB body,
stainless steel extractable screen,
connection flanges ANSI 150 RF.
Code: 1167/DN

Max Press.: 19,7 [bar] | Max Temp.: + 454 [°C]

On request with stainless steel body

On request execution Class 300/Class 600

Ø	CL.	L	Kg
1/2"	150	130	1,3
3/4"	150	150	1,8
1"	150	162	3,3
1 1/2"	150	201	5,4
2"	150	203	12
2 1/2"	150	216	19
3"	150	241	22
4"	150	292	36
6"	150	406	68
8"	150	495	114
10"	150	622	210
12"	150	699	310





PN 16

Cast iron EN-GJL-250 body, tempered crystal (calcium + sodium) sight part.
Code: 0275/DN

Max Press.: 16 [bar] | Max Temp.: + 120 [°C]

M275/BORO: With borosilicated crystal and FASIT gaskets for high temperatures (Max Temp.: + 280 [°C])
Code: 0275/BORO/DN

On request with flanges ANSI 150

DN	PN	L	Kg
15	16	130	2,9
20	16	150	3,5
25	16	160	4
32	16	180	5,9
40	16	200	6,6
50	16	230	9
65	16	290	15,2
80	16	310	18
100	16	350	24,5
125	16	400	50
150	16	480	63
200	16	600	120
250	16	730	160



MAINTENANCE
FREE

M510 Double glass flow indicator with integral flappers

PN 25

Carbon steel 1.0619 body, tempered crystal (calcium + sodium) sight parts.
Code: 0510/DN

Max Press.: 25 [bar] | Max Temp.: + 160 [°C]

M510/BORO: With borosilicated crystal and FASIT gaskets for higher temperatures
Code: 0510/BORO/DN

Max Press.: 25 [bar] | Max Temp.: + 280 [°C]

M510E: With micro-casted stainless steel AISI 316 body series PN 16
Code: 0510EGDN06

Max Press.: 16 [bar] | Max Temp.: + 240 [°C]

On request stainless steel flanged version or threaded version
On request execution ANSI 150/300

DN	PN	L	Kg
15	25	130	3,1
20	25	150	3,5
25	25	160	4,5
32	25	180	6,6
40	25	200	7,5
50	25	230	10
65	25	290	17
80	25	310	19
100	25	350	26
125	25	400	52
150	25	480	68
200	25	600	125
250	25	730	167



M510



M510E



MAINTENANCE
FREE

M700 Double glass flow indicator with integral flappers

PN 16

Bronze body, tempered crystal (calcium + sodium) sight parts, GAS F/F threaded connections.
Code: 0700/DN

M700/SC: With single glass
Code: 0700/SC/DN

Max Press.: 16 [bar] | Max Temp.: + 120 [°C]

On request with borosilicated crystal and FASIT gaskets for higher temperatures (Max Temp.: + 200 [°C])
On request with flanges (M1105)
On request NPT F/F threaded connections

Ø	PN	L	Kg
3/8"	16	107	1,33
1/2"	16	105	1,32
3/4"	16	110	1,46
1"	16	116	1,67
1 1/4"	16	126	2,47
1 1/2"	16	135	2,8
2"	16	170	4,97
2 1/2"	16	180	6,5



MAINTENANCE
FREE

M460-M461 Inverted bucket steam trap with built-in strainer



PN 16

Nodular cast iron EN-GJS-400-15 body, stainless steel inner parts, threaded connections, with flow rate capacity up to 530 [kg/h].
Code: 0460EADN03T

M460/F: PN 16 flanged version
Code: 0460EADN03F

M461/T: With threaded connections, with flow rate capacity up to 1670 [kg/h]
Code: 0461EADN03T

M461/F: PN 16 flanged version
Code: 0461EADN03F

Max Press.: 14 [bar] | Max Temp.: + 198 [°C]

Note: available Δp 4 [bar], 8 [bar], 12 [bar]

On request with carbon steel body or stainless steel body

Ø	PN	L	Kg	L	Kg
		(M460/T)	(M460/T)	(M460/F)	(M460/F)
¾"	16	130	3,9	175	5,3
1"	16	130	3,9	175	5,8

Ø	PN	L	Kg	L	Kg
		(M461/T)	(M461/T)	(M461/F)	(M461/F)
½"	16	175	9,4	222	11,2
¾"	16	175	9,3	222	11,5

M480 Thermodynamic steam trap with built-in strainer



PN 40

Carbon steel 1.0460 body, stainless steel inner parts, threaded connections.
Code: 0480EADN04T

M480/F: PN 40 flanged version
Code: 0480EADN04F

Max Press.: 40 [bar] | Max Temp.: + 300 [°C]

Ø	PN	L	Kg	L	Kg
		(M480/T)	(M480/T)	(M480/F)	(M480/F)
½"	40	95	1,3	150	2,8
¾"	40	95	1,2	150	3,3
1"	40	95	1,5	160	4

M485-M486 Float steam trap



PN 16

Nodular cast iron EN-GJS-400-15 body, stainless steel inner parts, threaded connections, with flow rate capacity up to 595 [kg/h]
Code: 0485EADN03T

M485/F: PN 16 flanged version
Code: 0485EADN03F

M486/T: With threaded connections, with flow rate capacity up to 710 [kg/h]
Code: 0486EADN03T

M486/F: PN 16 flanged version
Code: 0486EADN03F

Max Press.: 14 [bar] | Max Temp.: + 250 [°C]

Note: available Δp 4,5 [bar], 10 [bar], 14 [bar]

On request with carbon steel body or stainless steel body

Ø	PN	L	Kg	L	Kg
		(M485/T)	(M485/T)	(M485/F)	(M485/F)
½"	16	95	3,8	150	5,1
¾"	16	95	3,8	150	5,7
1"	16	95	3,6	160	6,4

Ø	PN	L	Kg	L	Kg
		(M486/T)	(M486/T)	(M486/F)	(M486/F)
½"	16	95	4,9	150	6,2
¾"	16	95	4,8	150	6,7
1"	16	95	4,7	160	7,4

M301 Antivibrating joint

PN 10

EPDM body, internally reinforced
with carbon steel flanges.
Code: 0301EKDN08

Max Press.: 10 [bar] | Max Temp.: + 100 [°C]



DN	PN	L	Kg
20	10	70	1,8
25	10	70	2,3
32	10	70	3
40	10	70	3,5
50	10	70	4,3
65	10	70	5
80	10	70	5,3
100	10	70	6,5
125	10	70	8,1
150	10	70	10
200	10	90	15



MAINTENANCE
FREE

M308 Elastic expansion joint

PN 16

Neoprene or EPDM coated NYLON body,
steel flanges drilled according to UNI PN 16.
Code: 0308ESDN08

Max Press.: 16 [bar] | Max Temp.: + 110 [°C]

On request drilling acc. to UNI PN 10
On request AISI 304/316 stainless steel
flanges
On request with flanges ANSI 150

For eventual stroke limiter kit, see M307



DN	PN	L	Kg
25	16	95	2,5
32	16	95	3
40	16	95	3,3
50	16	105	4,1
65	16	115	5
80	16	130	6,4
100	16	135	6,5
125	16	170	9,3
150	16	180	13,2
200	16	205	17,2
250	16	230	25
300	16	245	32
350	16	265	41
400	16	265	49



MAINTENANCE
FREE

M309 Elastic expansion joint

PN 16

EPDM coated NYLON body, GAS F/F
threaded connections.
Code: 0309ESDN07 (Neoprene)
Code: 0309ESDN08 (EPDM)

Max Press.: 16 [bar] | Max Temp.: + 110 [°C]



Ø	PN	L	Kg
¾"	16	200	0,63
1"	16	200	1
1 ¼"	16	200	1,28
1 ½"	16	200	1,76
2"	16	200	2,5
2 ½"	16	240	3,7
3"	16	240	5,5



MAINTENANCE
FREE

M304 Axial expansion joint with bellows

PN 16



Carbon steel body, AISI 321 stainless steel bellows, BW connections.
Code: 0304/DN

M305: With conveyor
Code: 0305/DN

Max Press.: 16 [bar] | Max Temp.: + 454 [°C]

On request PN 25 version

DN	PN	L	Kg
25	16	167	0,5
32	16	168	0,6
40	16	181	0,9
50	16	186	1,2
65	16	194	2
80	16	194	2,4
100	16	239	4,1
125	16	239	5,4
150	16	239	6,3
200	16	271	13



MAINTENANCE
FREE

M306 Axial expansion joint with bellows

PN 16



Carbon steel body, AISI 321 stainless steel bellows, connection flanged UNI PN 16.
Code: 0306/DN

M306/C: With conveyor
Code: 0306/C/DN

Max Press.: 16 [bar] | Max Temp.: + 454 [°C]

On request PN 25 version

On request flanges ANSI 150

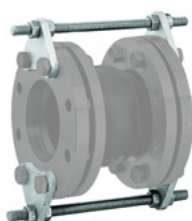
For eventual stroke limiter kit, see M307

DN	PN	L	Kg
25	16	89	2,2
32	16	95	3,5
40	16	108	4
50	16	118	5,3
65	16	127	6,6
80	16	131	8
100	16	161	10,2
125	16	165	13,5
150	16	165	16,5
200	16	196	25



MAINTENANCE
FREE

M307 Stroke limiter kit for joints



Carbon steel plate and tie-rods, with nickel-plate treatment.
Code: 0307/DN

This Kit is suitable for M306 e M308

The Kit includes: N° 4 flanges + N° 2 studs
+ N° 8 nuts

DN	PN
32	16
40	16
50	16
65	16
80	16
100	16
125	16
150	16
200	16
250	16
300	16

M301/DM174 Antivibrating joint

DRINKING WATER According to Italian M.D. 174, 06/04/2004



PN 10

EPDM body, internally reinforced
with carbon steel flanges.
Code: 0301EKDN08DM174

Max Press.: 10 [bar] | Max Temp.: + 100 [°C]

DN	PN	L	Kg
20	10	70	1,8
25	10	70	2,3
32	10	70	3
40	10	70	3,5
50	10	70	4,3
65	10	70	5
80	10	70	5,3
100	10	70	6,5
125	10	70	8,1
150	10	70	10
200	10	90	15



MAINTENANCE
FREE



DRINKING
WATER

M308/DM174 Elastic expansion joint

DRINKING WATER According to Italian M.D. 174, 06/04/2004



PN 16

Neoprene or EPDM coated NYLON body,
steel flanges drilled according to UNI PN 16.
Code: 0308ESDN08DM174

Max Press.: 16 [bar] | Max Temp.: + 110 [°C]

For eventual stroke limiter kit, see M307

DN	PN	L	Kg
32	16	95	3
40	16	95	3,3
50	16	105	4,1
65	16	115	5
80	16	130	6,4
100	16	135	6,5
125	16	170	9,3
150	16	180	13,2
200	16	205	17,2



MAINTENANCE
FREE



DRINKING
WATER

M309/DM174 Elastic expansion joint

DRINKING WATER According to Italian M.D. 174, 06/04/2004



PN 16

EPDM coated NYLON body,
GAS F/F threaded connections.
Code: 0309ESDN08DM174

Max Press.: 16 [bar] | Max Temp.: + 110 [°C]

Ø	PN	L	Kg
¾"	16	200	0,63
1"	16	200	1
1 ¼"	16	200	1,28
1 ½"	16	200	1,76
2"	16	200	2,5
2 ½"	16	240	3,7
3"	16	240	5,5



MAINTENANCE
FREE



DRINKING
WATER

SERVICE

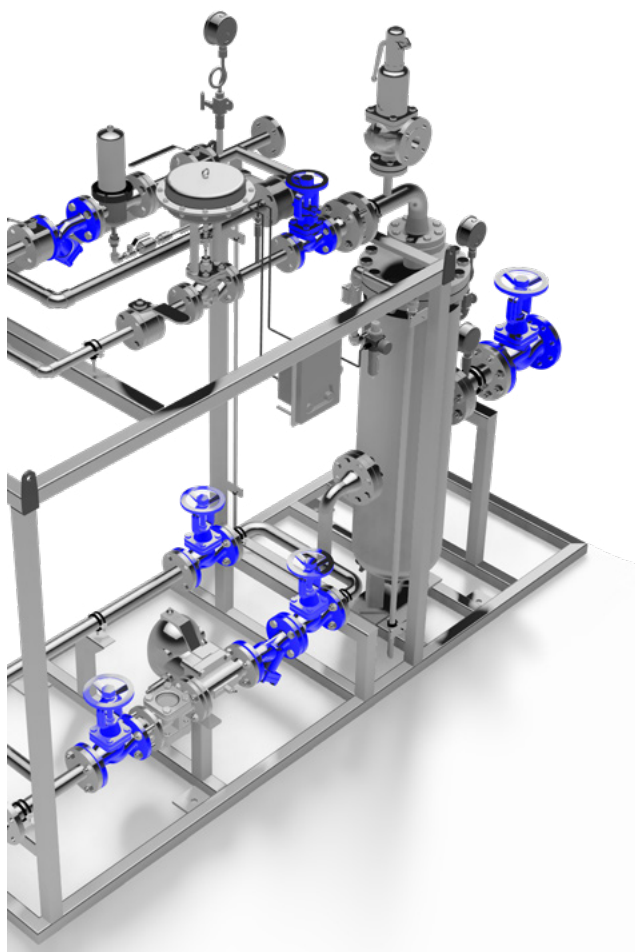
For all the valves in the price list, MIVAL provides complete technical data sheets which report all the data and variants available, in order to facilitate the design and installation by the customer.

CERTIFICATES



2D, 3D AND BIM CAD PRODUCT MODELS

Models are available in 3D (.stp), 2D (.dwg) and BIM (.rfa) formats. Simply contact the technical office to obtain the desired package.



APPLICATIONS



WATER



DRINKING WATER



CHEMICAL FLUIDS



HYDROGEN



METHANE



DIATHERMIC OIL



OXYGEN



STEAM

Reference sectors:

industry, paper, energy, mining, naval, chemical and petrochemical, food and pharmaceutical industries.

General sales conditions

1. INFORMATIVE DATA

All data, information and pictures on our catalogue are intended to give a representation of the different kinds of products, but are not binding. MIVAL reserves the right of amendments and/or improvement of details execution, dictated by experience, without any notice. Overall dimensions and weights are indicative and not binding; face to face dimensions, diameters and flanges drilling according to EN or ANSI standards.

2. ORDER

MIVAL reserves the right to refuse the order if the mentioned conditions are different from the agreed ones and/or the ones cited in the quotation. The order becomes binding only after MIVAL acceptance by written confirmation. If MIVAL will not receive any notice within one day, order confirmation will be considered completely accepted. Any clause or condition added by the customer on enquiries or orders is void and cannot be applied, even partially, without MIVAL written acceptance.

3. SPECIAL MANUFACTURING

All confirmed orders which refer to special products and/or standard products modified on customer request cannot be cancelled.

4. ACCEPTANCE

The buyer declares that suitability of the product to the use which it is intended for has been checked and assume any risk and/or responsibility resulting from its incorrect use.

5. TESTS

Every product is tested according to the standards currently in force (EN 12266-1, ANSI B16.34, API 598).

6. DOCUMENTATION

All documentation has to be necessarily required at order issuing: conformity declarations, technical data sheets, maintenance and use instructions, conformity certificates according to 2014/68/EU P.E.D. and test certificates according to EN 10204 2.2, for free; inspection certificates according to EN 10204 3.1, ATEX certificates according to 94/9/CE, or other possible specific documentations will be charged at cost.

7. DELIVERIES

Deliveries depend on the current availability, keeping into account production and construction exigencies and in accordance with the agreed terms (according to INCOTERMS). In case of delay due to force majeure or postponements not caused by MIVAL, the order cannot be cancelled.

8. PENALTIES

Penalties are valid only in case of MIVAL written acceptance and include any possible damage caused by the delivery delay.

9. PACKAGING

MIVAL prices are inclusive of standard packaging. Special packaging in wooden cages, cases or with special protections will be charged at cost and are non-returnable, except otherwise agreed.

10. TRANSPORT

Standard delivery term is understood as EXW, except in case of different written agreements between the parties. Transport risks follow INCOTERMS in force at the date of the order confirmation.

11. RETURNS

Possible returns of goods must be required in writing and authorized by MIVAL. Our claim/return form can be downloaded from www.mival.it. The goods must be sent to our warehouse free of charges. However, MIVAL reserves to not accept the returned goods if they are damaged or have a different look or evident violation. In any case, the goods proposed to be returned cannot be referred to supplies of four months prior the return request date. Special products, appositively manufactured for the customer, will not be accepted back.

12. PAYMENTS

Payments must be addressed only to MIVAL Serravalle Sesia (VC) operative offices. According to the provisions of Legislative Decree no. 192 of 9 November 2012, and subsequent amendments, on combating late payment in commercial transactions, we inform you that payment periods cannot exceed sixty days at the month's end without written agreements between the parties. We point out also that this new directive establishes that, when the deadline for payment expires, interests established by the decree in force as compensation for damages automatically applies, without prejudice to debit the costs for legal assistance, credit recovery and bank charges.

13. GUARANTEE

MIVAL guarantee that supplied products are free of material defects (not hidden), construction and functioning defects for a 24 months period from supply date (according to art. 1519, sec. II, par. I, title III, book IV C.C.). No delay in the installation of the plant will justify requests of guarantee protraction, if not previously agreed. Guarantee includes neither responsibility in case of damages to persons and/or things nor damages due to incorrect installation of the product due to inexperience, non-respect of functioning limits, wrong conditions of transport and/or storage. Claims have to be signaled by written form within eight days from the goods receipt specifying kind of flaw, and cannot interrupt the agreed terms of payment. Furthermore, no claims will be taken into consideration in case of lack of respect of contract terms by the customer or if the products shows clear signs of violation or anomalies due to improper installations or manoeuvres, for example forcing the valve to close in presence of impurities in the fluid, or in case of hydraulic event as water hammer, or employ (even if occasional) with working conditions over the values suggested for each item. If the product is intended for use with food or dangerous fluids (explosive, flammable, toxic or oxidative, comburent, etc.), you must inform MIVAL both at the offer stage and at the order stage. MIVAL will replace only the parts found out with construction defects ascribable to the manufacturer, previous their return free of charge; in any case no damage attributed to them will be reimbursed.

The standards painting applied by MIVAL is intended to protect the valves during the transport and the stocking for a period of maximum 12 months from the delivery date, and no guarantee is given for the suitability and the durability of this painting for the specific operating conditions (temperature, humidity, etc.). In all the cases, also if the coating is provided according to customer specifications, it has to be considered as a part subject to wear and for this reason its durability is not guaranteed if not previously agreed.

Our guarantee terms prevail on any other different term required by the customer.

14. RETENTION OF TITLE

As stated by art. 4 of 2000/35/CE European Directive, all goods supplied by MIVAL remain of exclusive property of the undersigned until complete payment of the due amount. In case of non-performance, even partial, MIVAL can claim the property of the product wherever it is, even if built-in to other goods owned by the customer or others.

15. DUE DILIGENCE CLAUSE

The Importer/Buyer shall not sell, export or re-export, directly or indirectly, to the Russian Federation or for use in the Russian Federation, any goods supplied under or in connection with this agreement that fall under the scope of Article 12g of Council Regulation (EU) No 833/2014. The Importer/Buyer shall undertake its best efforts to ensure that the purpose of the previous paragraph is not frustrated by any third parties further down the commercial chain, including by possible resellers. The Importer/Buyer shall set up and maintain an adequate monitoring mechanism to detect conduct by any third parties further down the commercial chain, including by possible resellers, that would frustrate the purpose of previous paragraph. Any violation of previous paragraphs shall constitute a material breach of an essential element of this agreement, and MIVAL shall be entitled to seek appropriate remedies, including, but not limited to, the termination of this agreement. The Importer/Buyer shall immediately inform MIVAL about any problems in applying previous paragraphs, including any relevant activities by third parties that could frustrate the purpose of this clause. The Importer/Buyer shall make available to MIVAL any information concerning with the obligations under this clause within two weeks of the simple request of such information.

16. DISPUTES

For any dispute or discordance referred to the sale conditions, departing from what indicated on the book I, sec. III, c.p.c., each and every competitive Place of Jurisdiction is excluded and the one of Vercelli is meant as sole competent Place of Jurisdiction. About what not expressly agreed between the two parties, it holds the Italian legislation in force besides uses and customs of engineering sector acknowledged by the Chamber of Commerce of Milan. Any dispute related or connected to the international sale contract, included the ones referred to its interpretation, validity, execution and resolution, will be submitted to ritual arbitration, on the basis of the ordinary or the quick arbitration procedure, depending on the value, accordingly to the Regulation of the International Arbitration Chamber of Milan. The arbitration language will be Italian.

Head Office

Via Melzi d'Eril, 26 - 20154 Milano

Factory - Technical - Trading Department

Via Montecastello, 53 - 13037 Serravalle Sesia (VC) - ITALY



CONTACT US

info@mival.it | www.mival.it

Contact Center +39 0163 452600

Trading department +39 0163 452606

Italy sales department +39 0163 452608

Foreign sales department +39 0163 452607

Technical department +39 0163 452605

Quality department +39 0163 452613

Certificates department +39 0163 452621

Account department +39 0163 452601

