

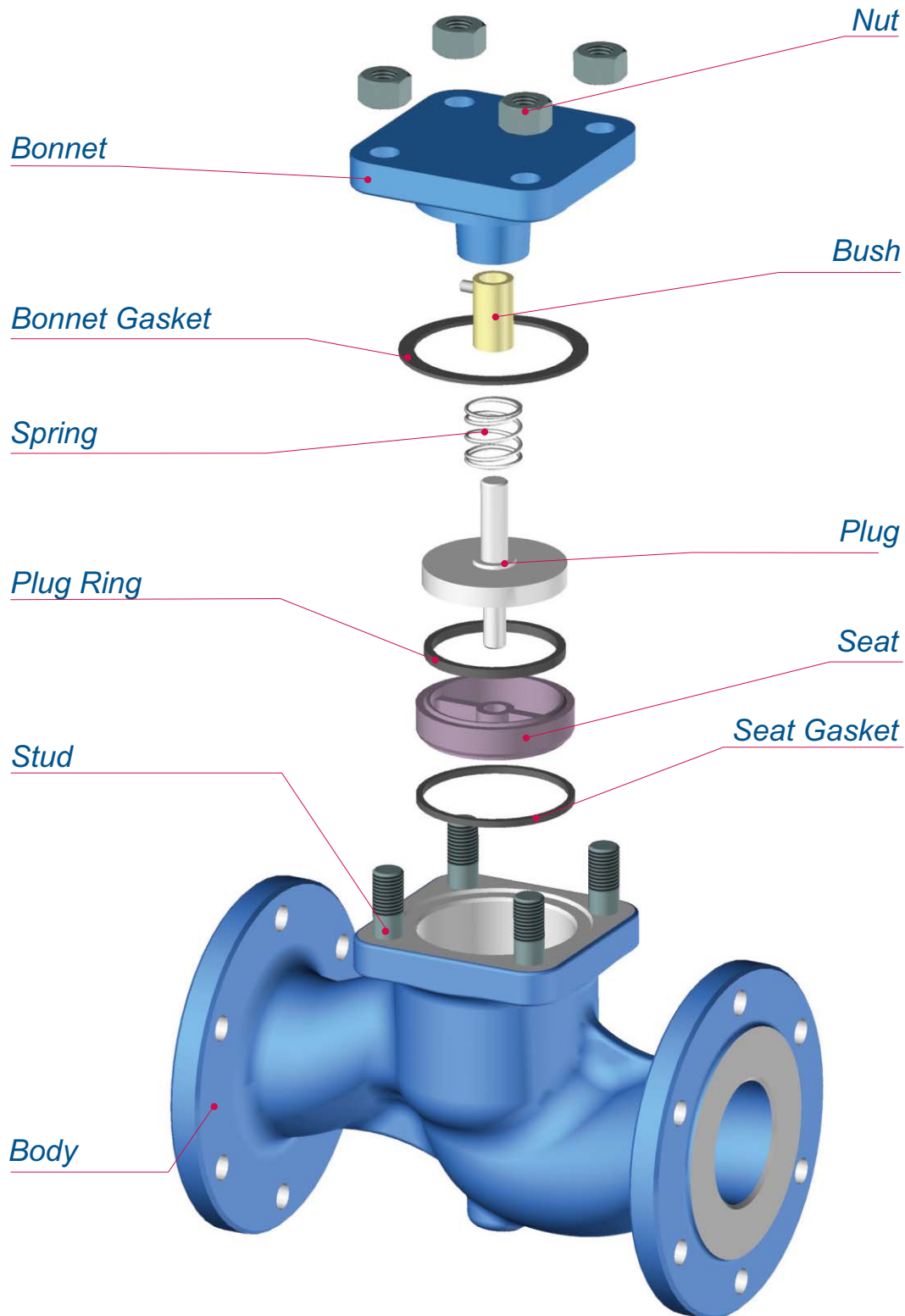


# CHECK VALVES

YCVN

## Check Valve

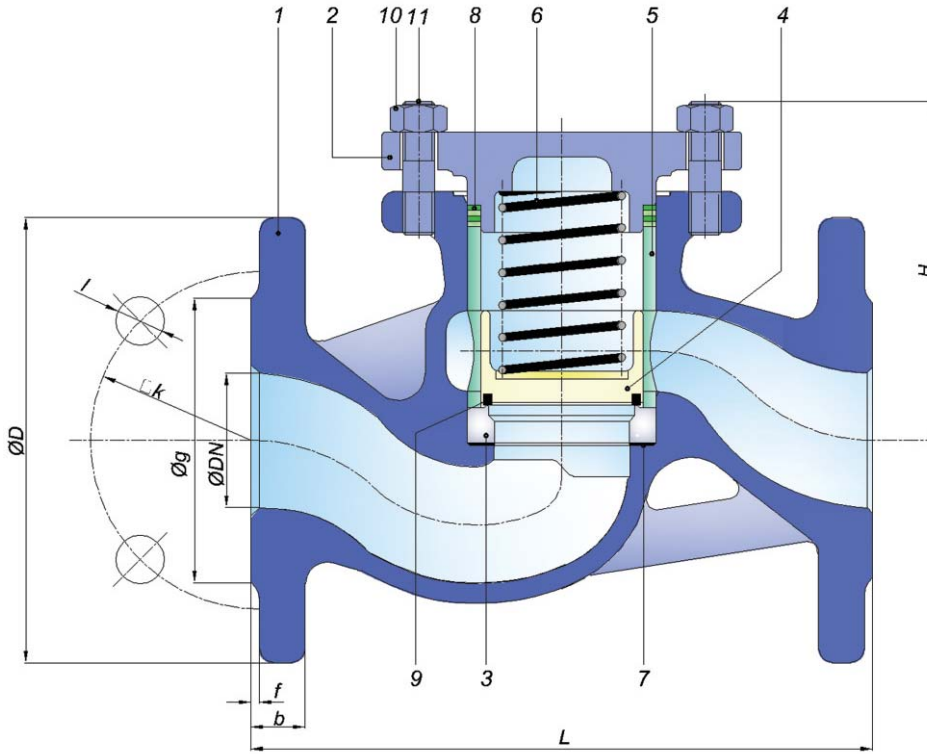
Check valves are safety armatures, they are used to let the fluid flow only in one direction and they prevent backflow. Plug weight and spring force closes the flow in one direction.



# Check Valves

## DN15-50

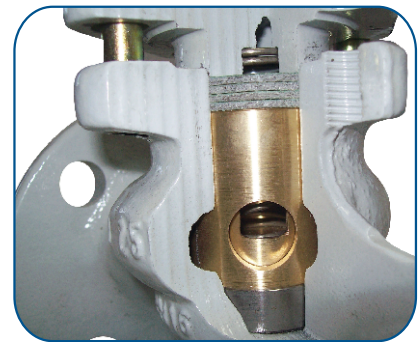
### Type: YCVN Flanged



Material Type	Cast Iron	Cast Steel	Stainless Steel
Size	DN15-50	DN15-50	DN15-50
Pressure Class	PN 16	PN40	PN40
Dimensions	DIN EN 558/1.serie	DIN EN 558/1.serie	DIN EN 558/1.serie
Assembly	Flanged According to DIN EN 1092-2	Flanged According to DIN EN 1092-1	Flanged According to DIN EN 1092-1
Temperature	-10°C +200°C	-10°C* +200°C	-10°C* +200°C
Material Code	2	7	9
Order Code	YCV.2F.___00	YCV.7F.___00	YCV.9F.___00

### Fluid Types

All kinds of fluids such as water, hot water, high temperature hot water, steam, thermal oil, LPG, fuel oil, pressurized air, etc.

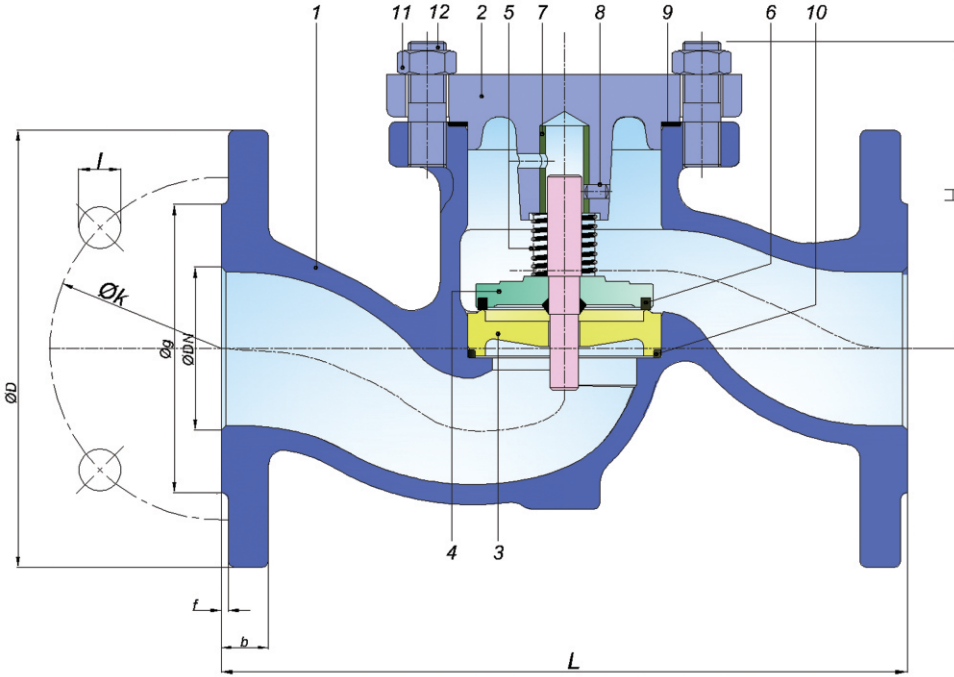


P.No	Part Name	Cast Iron	Cast Steel	St. Steel	St. Steel
1	Body	GJL 250	1.0619	1.4308	1.4408
2	Bonnet	GJL 250	1.0619	1.4308	1.4408
3	Seat	1.4021	1.4021	1.4301	1.4401
4	Plug	Ms-58***	Ms-58***	1.4308**	1.4408**
5	Lantern Bush	Ms-58***	Ms-58***	1.4301	1.4401
6	Spring	1.4301	1.4301	1.4301	1.4301
7	Seat Gasket	Graphite	Graphite	Graphite	Graphite
8	Bonnet Gasket	Graphite	Graphite	Graphite	Graphite
9	Plug Ring	Graphite	Graphite	Graphite	Graphite
10	Nut	8.8+Gal.	8.8+Gal.	A2-70	A2-70
11	Stud	8.8+Gal.	8.8+Gal.	1.4301	1.4301

For spare parts requests plug and plug ring are provided together as a single set.

DN		Dimensions		Assembly Size													
mm	inch	Type	L	H	D	g	Hole Nr.	k	PN16			PN25			PN40		
									b	f	l	b	f	d	b	f	l
15	1/2"	YCVN 15	130	72	95	45	4	65	14	2	14	16	2	14	16	2	14
20	3/4"	YCVN 20	150	80	105	58	4	75	16	2	14	18	2	14	18	2	14
25	1"	YCVN 25	160	88	115	68	4	85	16	2	14	18	3	14	18	2	14
32	1 1/4"	YCVN 32	180	105	140	78	4	100	18	2	19	18	3	19	18	2	18
40	1 1/2"	YCVN 40	200	117	150	88	4	110	18	3	19	18	3	19	18	2	18
50	2"	YCVN 50	230	127	165	102	4	125	20	3	19	20	3	19	20	2	18

\* For temperatures below -10°C, stud and nut material should be stainless steel  
 \*\* For DN15 and DN25 : 1.4401  
 \*\*\* Upon request, 1.4408 may be produced



# Check Valves

## DN65-200

### Type: YCVN Flanged

Material Type	Cast Iron	Ductile Iron	Cast Steel	Stainless Steel
Size	DN65-200	DN65-200	DN65-200	DN65-200
Pressure Class	PN 16	PN25	PN40	PN40
Dimensions	DIN EN 558/1.serie	DIN EN 558/1.serie	DIN EN 558/1.serie	DIN EN 558/1.serie
Assembly	Flanged According to DIN EN 1092-2	Flanged According to DIN EN 1092-2	Flanged According to DIN EN 1092-1	Flanged According to DIN EN 1092-1
Temperature	-10°C +200°C	-10°C +200°C	-10°C* +200°C	-10°C* +200°C
Material Code	2	8	7	9
Order Code	YCV.2F.___00	YCV.8F.___00	YCV.7F.___00	YCV.9F.___00

### Fluid Types

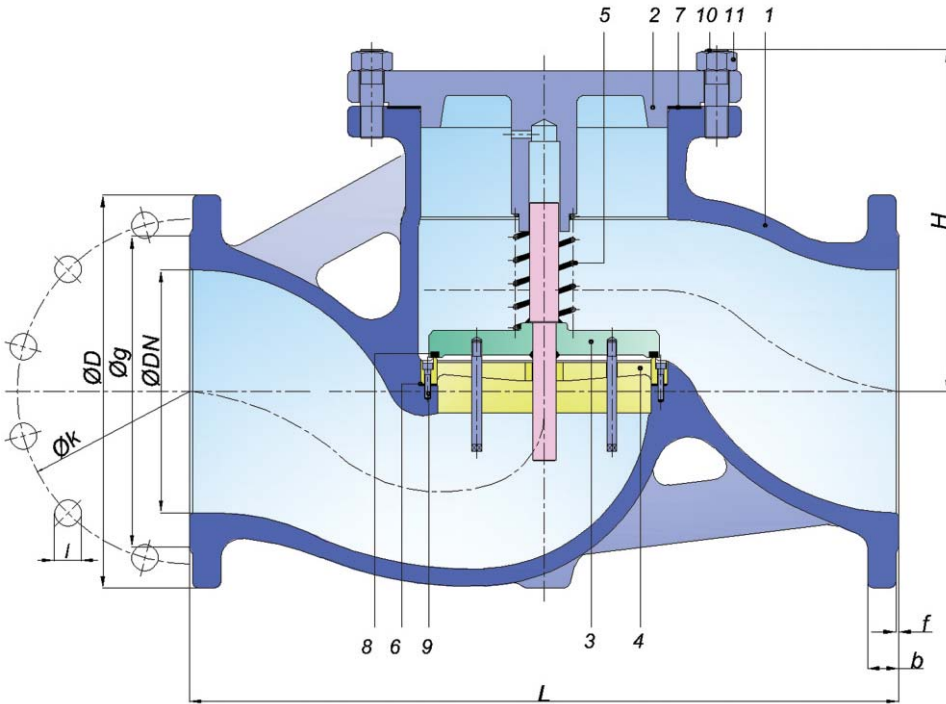
All kinds of fluids such as water, hot water, high temperature hot water, steam, thermal oil, LPG, fuel oil, pressurized air, etc.

P.No	Part Name	Cast Iron	Ductile Iron	Cast Steel	St. Steel	St. Steel
1	Body	GJL 250	0.7040	1.0619	1.4308	1.4408
2	Bonnet	GJL 250	0.7040	1.0619	1.4308	1.4408
3	Seat	1.4408	1.4408	1.4408	1.4308	1.4408
4	Plug	1.4408	1.4408	1.4408	1.4308	1.4408
5	Spring	1.4301	1.4301	1.4301	1.4301	1.4301
6	Plug Ring	Graphite	Graphite	Graphite	Graphite	Graphite
7	Bush	Ms-58	Ms-58	Ms-58	-----	-----
8	Pin	St-37 +Gal.	St-37 +Gal.	St-37 +Gal.	-----	-----
9	Bonnet Gasket	Graphite	Graphite	Graphite	Graphite	Graphite
10	Seat Ring	Graphite	Graphite	Graphite	Graphite	Graphite
11	Nut	8.8+Gal.	8.8+Gal.	A2-70	A2-70	A2-70
12	Stud	St-42+Gal.	St-42+Gal.	St-42+Gal.	A2-70	A2-70

For spare parts requests plug and plug ring are provided together as a single set.

DN			Dimensions		Assembly Size																				
mm	inch	Type	L	H	PN16									PN25						PN40					
					D	b	g	Hole Nr.	l	k	f	D	b	g	Hole Nr.	l	k	f	D	b	g	Hole Nr.	l	k	f
65	2 1/2"	YCVN 65	290	131	185	20	122	4	19	145	3	185	20	118	8	19	145	3	185	22	122	8	18	145	2
80	3"	YCVN 80	310	146	200	22	138	8	19	160	3	200	22	132	8	19	160	3	200	24	138	8	18	160	2
100	4"	YCVN 100	350	167	220	24	158	8	19	180	3	235	24	156	8	23	190	3	235	24	162	8	22	190	2
125	5"	YCVN 125	400	204	250	26	188	8	19	210	3	270	26	184	8	28	220	3	270	26	188	8	26	220	2
150	6"	YCVN 150	480	224	285	26	212	8	23	240	3	300	26	211	8	28	250	3	300	28	218	8	26	250	2
200	8"	YCVN 200	600	269	340	30	268	12	23	295	3	360	30	274	12	28	310	3	375	34	285	12	30	320	2

\* For temperatures below -10°C, stud and nut material should be stainless steel



# Check Valves

## DN250-300

### Type: YCVN Flanged

Material Type	Cast Iron	Cast Steel	Stainless Steel
Size	DN250-300	DN250-300	DN250-300
Pressure Class	PN 16	PN40	PN40
Dimensions	DIN EN 558/1.serie	DIN EN 558/1.serie	DIN EN 558/1.serie
Assembly	Flanged According to DIN EN 1092-2	Flanged According to DIN EN 1092-1	Flanged According to DIN EN 1092-1
Temperature	-10°C +200°C	-10°C* +200°C	-10°C* +200°C
Material Code	2	7	9
Order Code	YCV.2F...00	YCV.7F...00	YCV.9F...00

### Fluid Types

All kinds of fluids such as water, hot water, high temperature hot water, steam, thermal oil, LPG, fuel oil, pressurized air, etc.

P.No	Part Name	Cast Iron	Cast Steel	St. Steel	St. Steel
1	Body	GJL 250	1.0619	1.4308	1.4408
2	Bonnet	GJL 250	1.0619	1.4308	1.4408
3	Plug	1.4408	1.4408	1.4308	1.4408
4	Seat	1.4408	1.4408	1.4308	1.4408
5	Spring	1.4301	1.4301	1.4301	1.4301
6	Seat Gasket	Graphite	Graphite	Graphite	Graphite
7	Bonnet Gasket	Graphite	Graphite	Graphite	Graphite
8	Plug Ring	Graphite	Graphite	Graphite	Graphite
9	Setscrew	A2-70	A2-70	A2-70	A2-70
10	Stud	St-42+Gal.	St-42+Gal.	1.4301	1.4301
11	Nut	8.8+Gal.	8.8+Gal.	A2-70	A2-70

For spare parts requests plug and plug ring are provided together as a single set.

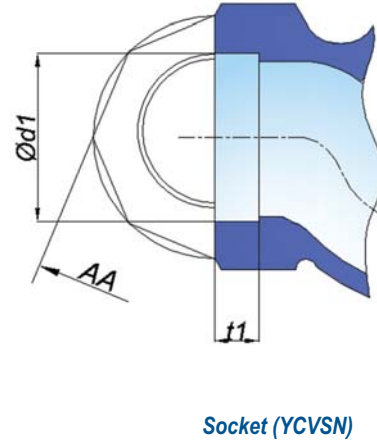
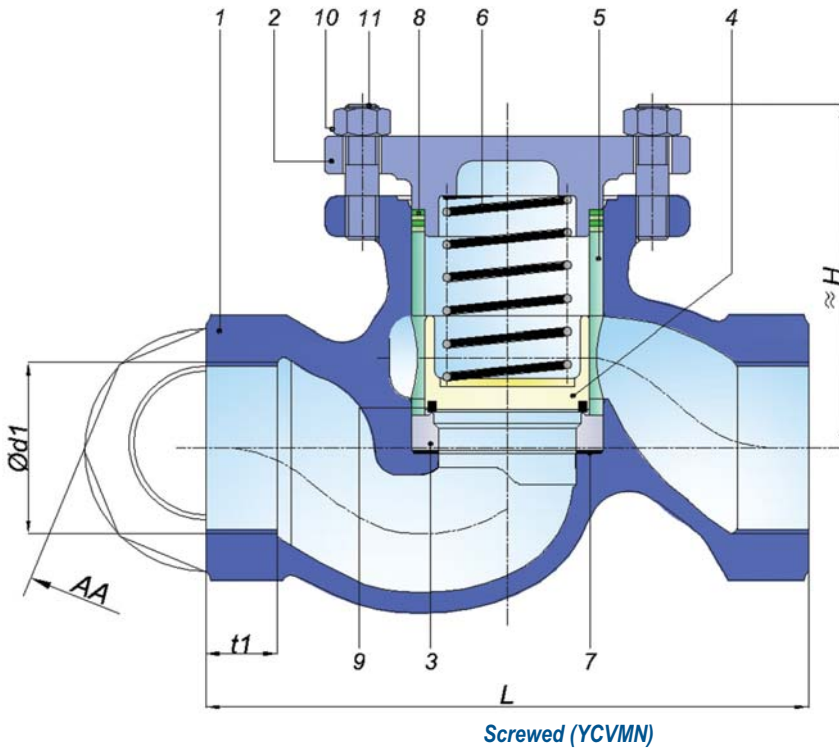
DN			Dimensions		Assembly Size													
mm	inch	Type	L	H	PN16						PN40							
					D	b	g	Hole Nr.	l	k	f	D	b	g	Hole Nr.	l	k	f
250	10"	YCVN 250	730	352	405	32	319	12	28	355	3	450	38	345	12	33	385	3
300	12"	YCVN 300	850	377	460	32	370	12	28	410	4	515	42	409	16	34	450	4

\* For temperatures below -10°C, stud and nut material should be stainless steel

# Check Valves

DN 1/4" - 2"

Type: YCVMN Screwed  
YCVSN Socket Weld



Material Type	Cast Iron	Cast Steel	Stainless Steel
Size	DN1/4"-2"	DN1/4"-2"	DN1/4"-2"
Pressure Class	PN 16	PN40 DN 1/4"-2" PN63 DN 1/4"-1"	PN40 DN 1/4"-2" PN63 DN 1/4"-1"
Dimensions	DIN EN 3202-4/M9 (except DN 1/4")	DIN EN 3202-4/M9 (except DN 1/4")	DIN EN 3202-4/M9 (except DN 1/4")
Assembly (screwed)	Screwed according to DIN EN ISO 228-1	Screwed according to DIN EN ISO 228-1	Screwed according to DIN EN ISO 228-1
Assembly (socket)	-----	Socketed according to DIN EN 12760	Socketed according to DIN EN 12760
Temperature	-10°C +200°C	-10°C* +200°C	-10°C* +200°C
Material Code	2	7	9
Order Code (screwed)	YCV.2M...00	YCV.7M...00	YCV.9M...00
Order Code (socket)	-----	YCV.7S...00	YCV.9S...00

P.No	Part Name	Cast Iron	Cast Steel	St. Steel	St. Steel
1	Body	G.JL 250	1.0619	1.4308	1.4408
2	Bonnet	G.JL 250	1.0619	1.4308	1.4408
3	Seat	1.4021	1.4021	1.4301	1.4401
4	Plug	Ms-58***	Ms-58***	1.4308**	1.4408**
5	Lantern Bush	Ms-58***	Ms-58***	1.4301	1.4401
6	Spring	1.4301	1.4301	1.4301	1.4301
7	Seat Gasket	Graphite	Graphite	Graphite	Graphite
8	Bonnet Gasket	Graphite	Graphite	Graphite	Graphite
9	Plug Ring	Graphite	Graphite	Graphite	Graphite
10	Nut	8.8+Gal.	8.8+Gal.	A2-70	A2-70
11	Stud	8.8+Gal.	8.8+Gal.	1.4301	1.4301

For spare parts requests plug and plug ring are provided together as a single set.

DN		Type	Dimensions		Check Valve Opening Pressure	Assembly Size				
mm	inch		L	H		d1		t1		AA
			Screwed	Socket		Screwed	Socket			
6	1/4"	YCVMN 1/4"	85	----	0.38	R 1/4"	14.2	10.5	10.5	36
10	3/8"	YCVMN 3/8"	85	----	0.38	R 3/8"	17.6	11.5	10	36
15	1/2"	YCVMN 1/2"	100	105	0.38	R 1/2"	22	15.5	10	36
20	3/4"	YCVMN 3/4"	120	120	0.26	R 3/4"	27.5	16	13	41
25	1"	YCVMN 1"	135	138	0.30	R 1"	34.5	19	13	50
32	1 1/4"	YCVMN 1 1/4"	160	154	0.30	R 1 1/4"	43	21	13	65
40	1 1/2"	YCVMN 1 1/2"	185	186	0.27	R 1 1/2"	49	21	13	75
50	2"	YCVMN 2"	220	211	0.27	R 2"	61.5	26	16	90

\* For temperatures below -10°C, stud and nut material should be stainless steel  
 \*\* For 1/4" - 1" : 1.4408  
 \*\*\* Upon request, 1.4408 may be produced

# Parameters Used for Valve Orders

It is important that you should specify the parameters stated below to choose the suitable valve. Please contact us for unclear issues.

1- Valve Type

2- Quantity

3- Valve Size

4- Max. Operating Pressure

5- Max. and Min. Operating Temperatures

6- Connection Type

(Flanged, Screwed, Socket or Butt Welded)

7- Fluid

Water, hot water, air, gas, steam, LPG, oil, thermal oil, acid, base, etc.

(Concentration and other specifications)

8- Actuation Type

9- Using Purpose

Fully open or fully closed, throttling element

10- Special requests

(Material, control, etc.)



## VALVE ORDER

You can use the following encoding system in your orders.

Example: YCV.2F.40.00

Check Valve, Cast Iron, Flanged, DN40, DIN Norm

	<b>YCV</b>	<b>. 2 F .</b>	<b>40 .</b>	<b>00</b>
<b>Product Code</b>				
Check valve				
YCV				
<b>Material Code</b>				
2 Cast Iron				
8 Ductile Iron				
7 Cast Steel				
9 Stainless Steel				
<b>Assembly Type</b>				
F Flanged				
M Screwed				
S Socket				
<b>Dimensions</b>				
DN 15 - 15				
DN 20 - 20				
DN 25 - 25				
DN 32 - 32				
DN 40 - 40				
DN 50 - 50				
DN 65 - 65				
DN 80 - 80				
DN 100 - 81				
DN 125 - 82				
DN 150 - 83				
DN 200 - 84				
DN 250 - 86				
DN 300 - 87				
<b>Norms</b>				
00 DIN				
01 ASA 150				
02 ASA 300				

## YAKACIK VALF Products

- **Piston Valves DN15 - DN50**
  - **Balanced Piston Valves DN65 - DN200**
  - **YX - GT Ring Sets DN15 - DN200**
  - **Bellows Sealed Globe Valves DN15 - DN300**
  - **Globe Valves DN15 - DN300**
  - **Boiler Blowdown Valves DN32 - DN50**
  - **Ball Valves DN15 - DN400**
  - **T Type Strainers DN15 - DN300**
  - **Y Type Strainers DN15 - DN500**
  - **Expansion Joints DN25 - DN2500**
  - **Cryogenic Valves DN15 - DN50**
- **Manometer Cocks 1/2"**
  - **Ball Valves (for natural gas) DN15 - DN400**
  - **Ball Valves Monoball DN15 - DN100**
  - **Check Valves DN15 - DN300**
  - **Disc Check Valves DN25 - DN100**
  - **Dual Plate Check Valves DN40 - DN400**
  - **Butterfly Valves DN32 - DN500**
  - **Level Gauges YPBR - YUPR - YUPT**
  - **Transparent Gauge Glass**
  - **Safety Valves DN 20x32 - DN 100x150**
  - **Fire Hydrants DN80 - DN150**



**ISO 9001-2008**

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**CE 2354**

PED 97/23 EC / III MODULE H



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BALL VALVES - CAST STEEL



**FIRE SAFE**

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