

Industrial Valves/ Catalog

**CONTI**

valve manufacturer since 1919





1919-2009: a 90-year history of quality and reliability

CONTI RUBINETTERIE, established in 1919 by Giovanni Conti, was the first valve manufacturing company to be erected in Valduggia which is located in northeastern Piedmont. Valduggia became in time one of the most important production areas of valves and fittings in the world. With its more than 90-year experience, today Conti Rubinetterie has become a major leader in the production of bronze and brass valves and its products are sold in more than 50 countries worldwide.

Thanks to its advanced manufacturing techniques and equipment, its continued programme of engineering research, its skilled craftsmen and technical expertise, Conti designs and constructs reliable products for these fields and applications:

- Petrochemical industry
- Irrigation systems
- Mining and infrastructure industries
- Shipyard industry
- Compressed air
- Textile industry
- Mechanical industry
- Steam applications
- Other various industries

In addition to these, Conti Rubinetterie has become highly successful at developing specialized bronze and bronze alloy valves for industries which require the following characteristics:

- Desalination
- Highly corrosive environments

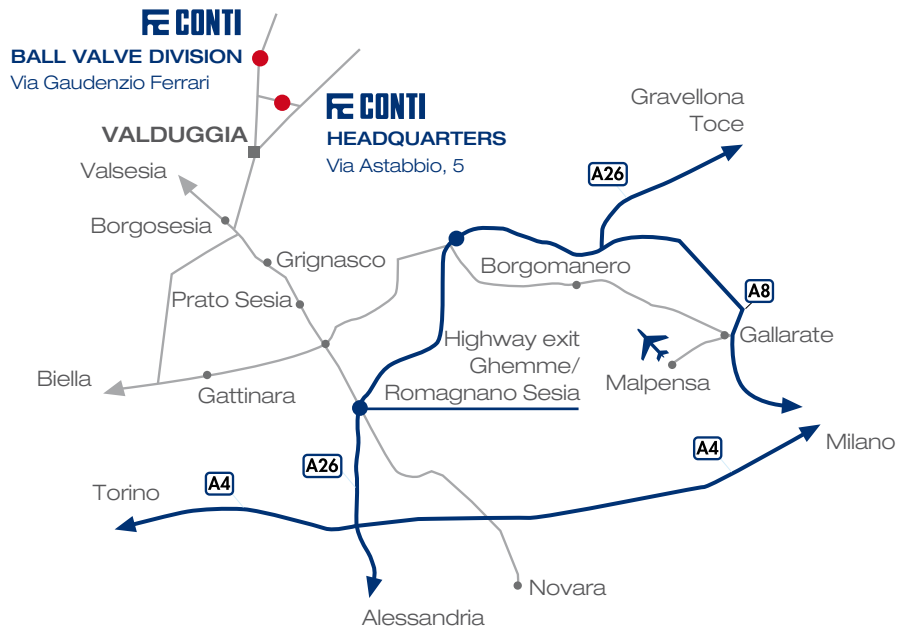
Conti Rubinetterie is the ideal business partner for any industrial sector, thanks to its wide range of products (ball valves, gate valves, globe valves, check valves, etc.) as well as custom-made solutions, making it one of the most complete in Europe. In addition to the European market the valves are successfully sold in South America, North and South Africa, Middle East, Australia and Singapore.

The company is still ran by the Conti family who over time has created a solid organization aimed at building up an innovative environment based on quality, reliability and availability.

Conti Rubinetterie has two manufacturing plants as well as its own bronze foundry (a very rare case in the industry), which allows it to have complete control over every aspect of the production process: purchase of the raw materials, casting of the individual pieces, tooling and machining of all components, assembling and packaging of all items. A final testing is carried out on each valve before it is considered ready to be shipped.

Today, Conti Rubinetterie is a complete premier source for all valve needs and 100% of its production is proudly "Made in Italy".

Directions



→ Conti manufacturing facilities and foundry

Certified know-how

Conti holds a leading role in the quest of quality construction and production processes. Our valves completely designed and manufactured in our factories by a skilled team and with the most innovative equipment, are constructed to last over time. They undergo a stringent and rigorous sequence of tests and internal inspections. Today, just as 90 years ago, product quality continues to be at the heart of every stage of the production cycle.

Qualified certifying laboratories worldwide have certified our valves for their performance, solidity and duration.



→ Conti Rubinetterie has a quality system certificate in compliance with UNI EN ISO 9001:2008 standards



→ Our valves are manufactured according to the European PED 97/23/CE standards

100% Production Control



→ Raw materials are purchased directly from certified suppliers



→ Internal foundry guarantees quality from the earliest stages of production



→ Bodies and components are entirely machined on-site



→ Tooling, assembly and testing machineries have been developed according to our specific needs

Technology



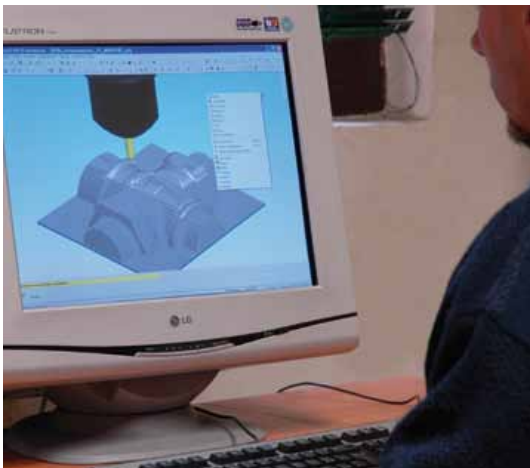
→ All production processes use the most technologically advanced equipment

Reliability



→ Each and every valve is tested before being sent out

Solutions



→ Special requirements and custom needs are taken care of quickly and with expertise

Respecting the Environment



The SUN provides 40% of the energy our production process requires



The WATER used during the production processes is purified with a filtration system and recycled



The AIR from the foundry vapors is gathered, purified by a certified filtration system and released clean into the environment

CUSTOM OPTIONS AVAILABLE

Upon customer requests the following alloys, materials, and/or face to face dimensions (only for flanged valves) may be chosen. Please note that each color corresponds to a specific option shown in the catalog.



STAINLESS STEEL AISI 316



ALUMINIUM/BRONZE ALLOY



MONEL 400 ALLOY



BRONZE



DZR BRASS



ASTM B16,10 ASA150
FACE TO FACE

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Gate Valves



THREADED GATE VALVES	08
COPPER COMPRESSION AND SOLDER END GATE VALVES	13
LIGHT THREADED GATE VALVES	14
FLANGED GATE VALVES	16

■ THREADED VALVES can be manufactured according to the following standards:

ANSI - ASME B1.20.1 - NPT
GAS UNI - ISO228
ISO7/1 RC - RP THREADS

■ FLANGED VALVES can be manufactured according to the following standards:

PN16
PN20
B16.24 ASA 150



10250

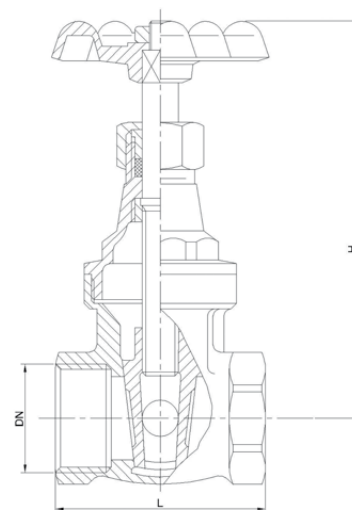
**BRONZE GATE VALVE PN20
SCREWED BONNET FXF,
NON RISING STEM, SOLID WEDGE**
PN20/B 125WSP 250WOG

10251

PN20/B 125WSP 250WOG
BRONZE WEDGE

10255

PN20/B 125WSP 250WOG
BRONZE BODY AND OTHER DZR
BRASS PARTS



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Wedge	BRASS-CW617N UNI EN12165
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	45	45	50	51	57	68	71	82	97	107	122
H (mm)	70	70	70	86	98	120	137	160	189	240	265
WEIGHT (Kg)	0,26	0,27	0,282	0,377	0,542	0,896	1,21	1,9	2,85	4,85	7,8

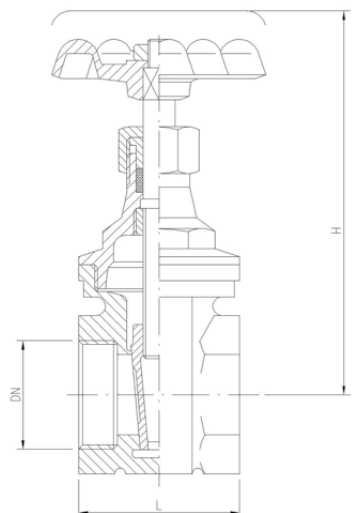


10302

**BRONZE GATE VALVE PN25
SCREWED BONNET FXF,
NON RISING STEM, SOLID WEDGE**
PN25/B 150WSP 300WOG

10304

PN25/A 150WSP 300WOG
ALL IN BRONZE



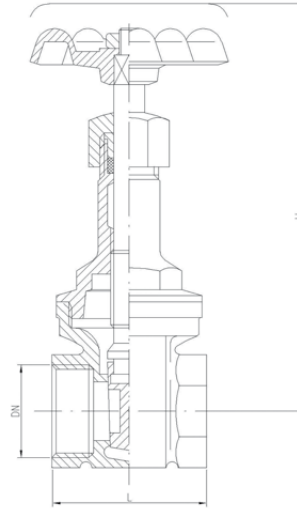
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Wedge	BRASS-CW617N UNI EN12165
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	42	45	48	53	61	70	75	85	88	97	111
H (mm)	85	85	90	105	120	130	140	175	199	219	260
WEIGHT (Kg)	0,32	0,34	0,43	0,6	0,82	1,2	1,55	2,3	3,35	4,5	7,5



11807

BRONZE GATE VALVE PN25
SCREWED BONNET FxF,
RISING STEM, SOLID WEDGE
 PN25/B 150WSP 300WOG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Wedge	BRONZE-CC491K UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	42	45	48	53	61	63	75	85	97	100	113
H (mm)	100	100	115	140	157	180	200	220	345	370	490
WEIGHT (Kg)	0,36	0,37	0,469	0,73	1,1	1,45	2	2,7	6,1	7,1	14,1

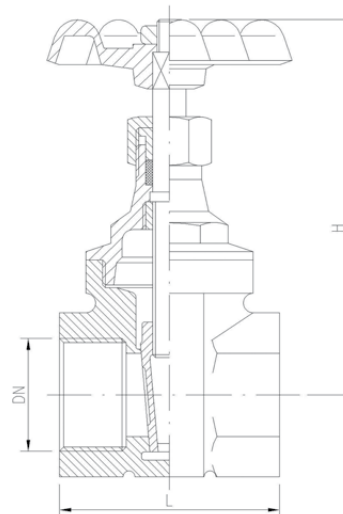


10904

BRONZE GATE VALVE PN32
SCREWED BONNET FxF,
NON RISING STEM, SOLID WEDGE
 PN32/B 200WSP 400WOG

10905

PN32/A 200WSP 400WOG
 ALL IN BRONZE



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Wedge	BRONZE-CC491K UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	50	50	55	62	70	70	80	96	108	118	135
H (mm)	95	95	100	120	130	145	150	185	220	240	310
WEIGHT (Kg)	0,5	0,5	0,6	0,9	1,15	1,6	2,15	3,1	5,1	7,2	12,6

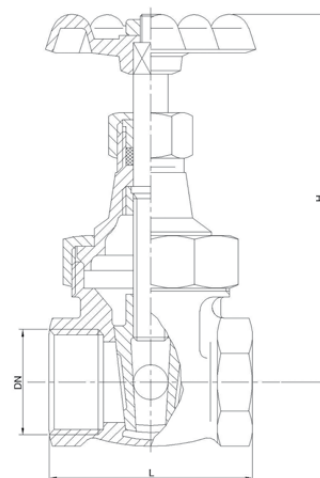


10252

**BRONZE GATE VALVE PN20
UNION BONNET FXF,
NON RISING STEM, SOLID WEDGE**
PN20/B 125WSP 250WOG

10258

PN20/B 125WSP 250WOG
BRONZE WEDGE



STANDARD MATERIALS

Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Wedge	BRASS-CW617N UNI EN12165
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	45	45	50	51	57	68	71	82	97	107	122
H (mm)	78	78	78	98	112	125	146	170	200	247	265
WEIGHT (Kg)	0,26	0,27	0,282	0,44	0,61	0,93	1,23	1,9	3,35	4,82	7,3

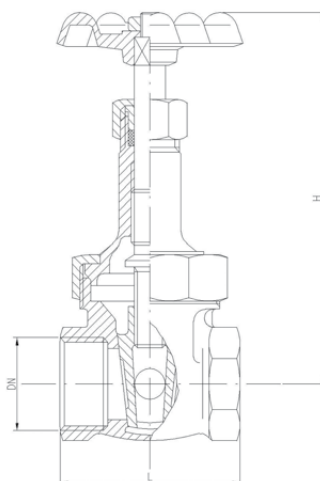


11802

**BRONZE GATE VALVE PN20
UNION BONNET FXF,
RISING STEM, SOLID WEDGE**
PN20/B 125WSP 250WOG

11803

PN20/A 125WSP 250WOG
ALL IN BRONZE



STANDARD MATERIALS

Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Wedge	BRASS-CW617N UNI EN12165
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	48	50	51	57	68	71	82	97	107	120
H (mm)	100	102	127	140	167	187	231	270	325	365
WEIGHT (Kg)	0,33	0,33	0,5	0,68	1,1	1,45	2,35	3,6	5,55	8,55

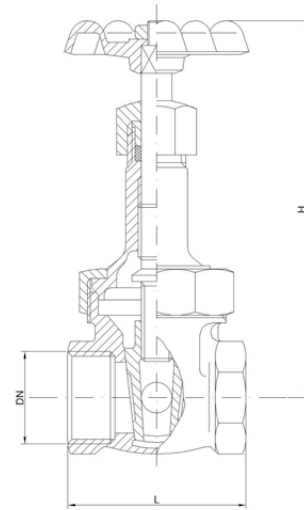


12101

**BRONZE GATE VALVE PN25
UNION BONNET FxF,
RISING STEM, SOLID WEDGE**
PN25/B 150WSP 300WOG

12104

PN25/B 150WSP 300WOG
BRONZE STEM AND WEDGE



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Wedge	BRASS-CW617N UNI EN12165
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	41	41	51	58	64	70	75	85	98	105	120
H (mm)	94	105	120	135	150	170	190	225	300	340	420
WEIGHT (Kg)	0,29	0,35	0,5	0,7	0,95	1,3	1,7	2,6	4,5	5,75	9,4



12108

**BRONZE GATE VALVE PN32
UNION BONNET FxF,
RISING STEM, SOLID WEDGE**
PN32/B 200WSP 400WOG

12109

PN32/A 200WSP 400WOG
ALL IN BRONZE

12111

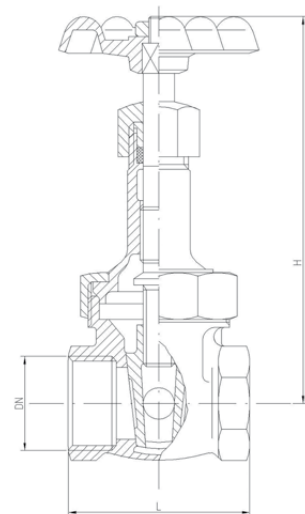
PN40/A 250WSP 500WOG
ALL IN Bz/Al

12113

PN32/A 200WSP 400WOG
TRIM IN MONEL AND RENEWABLE SEAT

12114

PN32/A 200WSP 400WOG
TRIM IN AISI316 AND RENEWABLE SEAT



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Wedge	BRONZE-CC491K UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	50	50	55	64	70	75	90	95	110	115	125
H (mm)	110	110	120	140	155	190	210	230	265	285	380
WEIGHT (Kg)	0,55	0,55	0,8	1,2	1,7	2,35	3,1	4	5,7	7,5	12,2

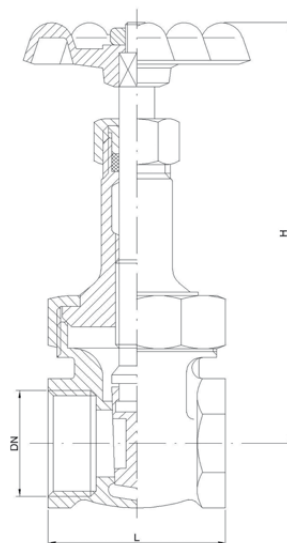


13103

**BRONZE GATE VALVE PN64
UNION BONNET FXF,
RISING STEM, SOLID WEDGE**
PN64 300WSP 1000WOG

13104

PN64 300WSP 1000WOG
BRONZE STEM



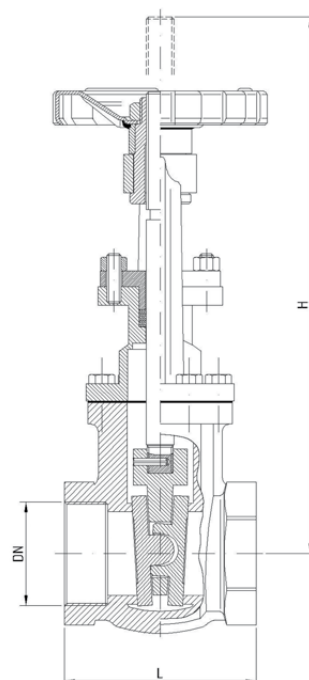
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Wedge	BRONZE-CC491K UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	3"
L (mm)	55	60	65	70	75	80	95	110	115
H (mm)	125	130	145	165	180	225	220	260	285
WEIGHT (Kg)	0,85	0,9	1,3	1,8	2,4	3	3,7	5,7	7,5



12107

**BRONZE GATE VALVE PN32
BOLTED BONNET FXF,
OUTSIDE SCREW AND YOKE,
FLEXIBLE WEDGE**
PN32/B 200WSP 400WOG



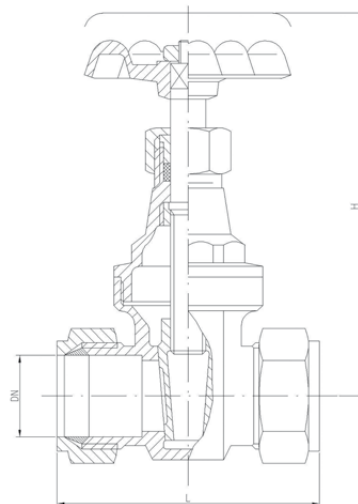
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Wedge	BRONZE-CC491K UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	2"
L (mm)	110
H (mm)	309
WEIGHT (Kg)	10



10001

BRONZE GATE VALVE PN20
SCREWED BONNET COPPER COMPRESSION ENDS,
NON RISING STEM, SOLID WEDGE
 PN20/B 125WSP 250WOG



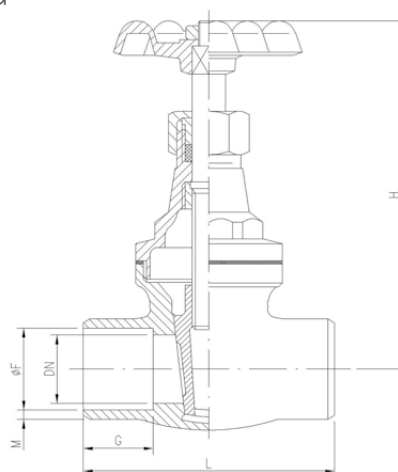
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Wedge	DZR BRASS-CW602N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	022	028	035	042	054
L (mm)	63	70	77	96	111	138
H (mm)	69,5	82	94	122	138	170
WEIGHT (Kg)	0,245	0,337	0,512	0,953	1,489	2,514



10288

BRONZE GATE VALVE PN20
SCREWED BONNET SOLDER ENDS,
NON RISING STEM, SOLID WEDGE
 PN20/B 125WSP 250WOG



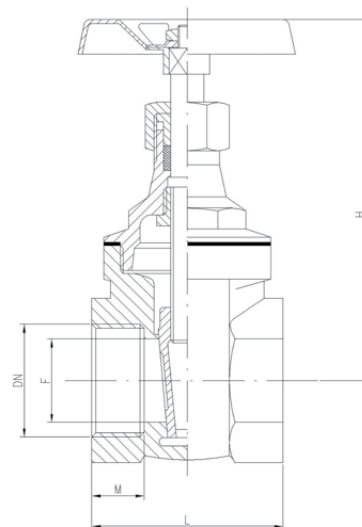
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Wedge	DZR BRASS-CW602N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

		015	022	028	035	042	054	067	076
L (mm)		46	60	71	76	88	102	110	133
H (mm)		72,5	84,5	99,5	124	146	170	190	247
F (mm)	max	15,146	22,156	28,156	35,18	42,18	54,18	66,87	79,57
	min	15,065	22,075	28,075	35,09	42,09	54,09	66,78	79,46
G (mm)		10,9	15,7	18,7	23,3	27,2	32,3	33,6	42,4
M (mm)		1,8	2	2,1	2,3	2,3	2,7	3,1	3,2
WEIGHT (Kg)		0,210	0,350	0,550	0,850	1,100	1,830	3,050	4,5



VSA08001

BRASS GATE VALVE PN10
SCREWED BONNET FXF,
NON RISING STEM, SOLID WEDGE
 PN10



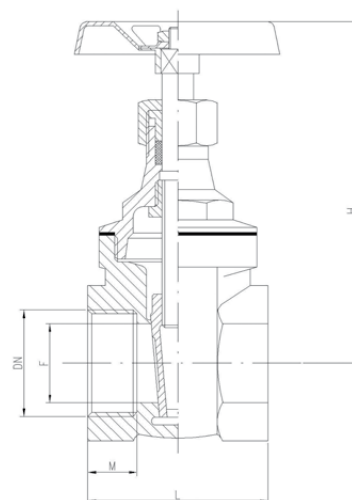
STANDARD MATERIALS	
Body	BRASS-CW617N UNI EN12165
Bonnet	BRASS-CW617N UNI EN12165
Wedge	BRASS-CB754S UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	35	39	43	48	54	58	63	70	80
H (mm)	68	68	80	86	107	134	143	175	202
F (mm)	13,5	15,5	19	27	33	44	47	60	72
M (mm)	9	9	10	10	11	12	13	13	15



VSA09002

BRASS GATE VALVE PN16
SCREWED BONNET FXF,
NON RISING STEM, SOLID WEDGE
 PN16/B 100WSP 200WOG



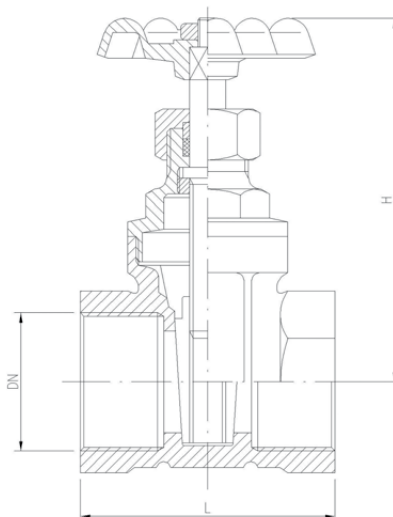
STANDARD MATERIALS	
Body	BRASS-CW617N UNI EN12165
Bonnet	BRASS-CW617N UNI EN12165
Wedge	BRASS-CB754S UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	33	33	38	44	48	51	58	63	64	74	84
H (mm)	67	67	68	78	91	108	125	143	175	200	235
F (mm)	11	13	15	19	24	32	37	47	60	72	93
M (mm)	8	8	9	10	11	12	13	13	13	14	16



09302

BRASS GATE VALVE PN16
SCREWED BONNET FxF,
NON RISING STEM, SOLID WEDGE
 PN16/B 100WSP 200WOG



STANDARD MATERIALS

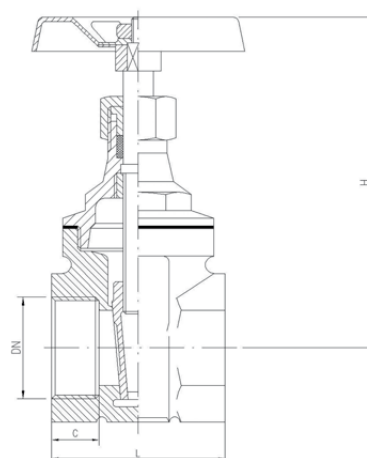
Body	BRASS-CW617N UNI EN12165
Bonnet	BRASS-CW617N UNI EN12165
Wedge	BRASS-CW617N UNI EN12165
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	44	51,5	56	62	68	74	74	86	98
H (mm)	70	83,5	94	119	125	144	175	205	235
WEIGHT (Kg)	0,220	0,330	0,455	0,770	0,860	1,350	1,882	2,520	4,564



VSA09904H

BRONZE GATE VALVE PN16
SCREWED BONNET FxF,
NON RISING STEM, SOLID WEDGE
 PN16/B 100WSP 200WOG



STANDARD MATERIALS

Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Wedge	BRASS-CB754S UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	41	46	49	55	63	69	78	83	100
H (mm)	71	85	94	115	125	145	187	205	250
C (mm)	12	12	13	14	16	16	18	18	22
WEIGHT (Kg)	0,23	0,33	0,44	0,72	0,92	1,5	2,5	3,7	5,8



15250

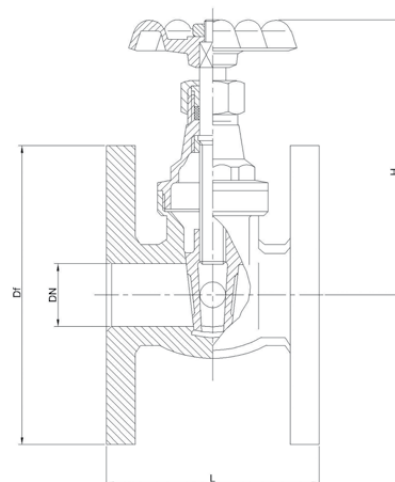
BRONZE GATE VALVE PN16
SCREWED BONNET FLANGED ENDS,
NON RISING STEM, SOLID WEDGE
 PN16/B 100WSP 200WOG

15251

PN16/B 100WSP 200WOG
 BRONZE WEDGE

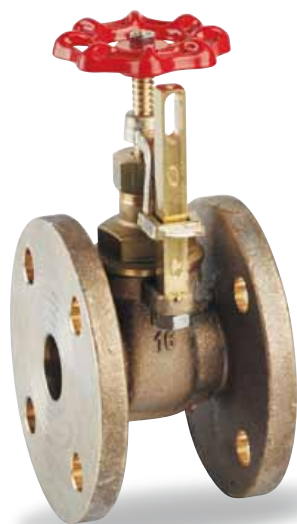
15255

PN16/B 100WSP 200WOG
 BRONZE BODY AND OTHER
 DZR BRASS PARTS



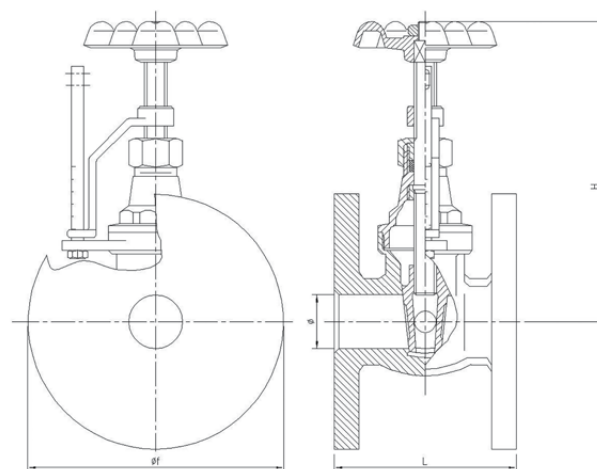
	STANDARD MATERIALS
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Wedge	BRASS-CW617N UNI EN12165
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	010	015	020	025	032	040	050	065	080	100
Df (mm) (PN16)	90	95	105	115	140	150	165	185	200	220
L (mm)	75	73	73	80	90	97	112	130	147	164
H (mm)	70	86	86	98	120	137	160	189	240	265
WEIGHT (Kg)	1,5	1,5	1,8	2,18	3,43	4,5	5,57	8,8	10,3	15,3



15254

BRONZE GATE VALVE PN16
SCREWED BONNET FLANGED ENDS,
NON RISING STEM, SOLID WEDGE WITH
OPENING INDICATOR AND LOCKING DEVICE
 PN16/B 100WSP 200WOG



	STANDARD MATERIALS
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Wedge	BRONZE-CC491K UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	025	032	040	050	065	080	100
Df (mm) (PN16)	115	140	150	165	185	200	220
L (mm)	80	90	100	110	130	150	160
H (mm)	142	155	176	200	230	277	290
WEIGHT (Kg)	2,200	3,450	4,520	5,590	8,820	10,320	15,320

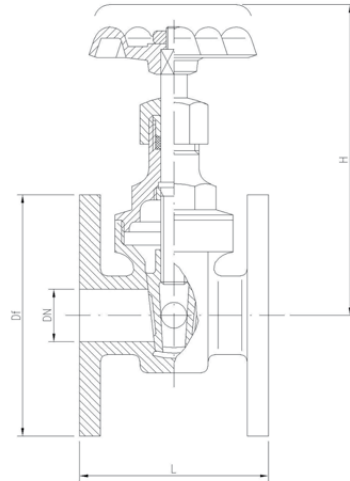


15302

BRONZE GATE VALVE PN25
SCREWED BONNET FLANGED ENDS,
NON RISING STEM, SOLID WEDGE
 PN25/B 150WSP 300WOG

15304

PN25/A 150WSP 300WOG
 ALL IN BRONZE



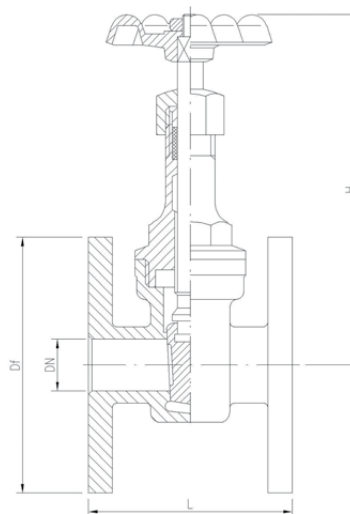
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Wedge	BRONZE-CC491K UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	020	025	032	040	050	065	080	100
Df (mm) (PN16)	95	105	115	140	150	165	185	200	220
L (mm)	80	85	90	105	115	125	145	160	170
H (mm)	100	120	135	150	175	195	230	260	290
WEIGHT (Kg)	1,70	2,2	3,1	4,85	5,7	7,4	10,7	13,5	19



15603

BRONZE GATE VALVE PN25
SCREWED BONNET FLANGED ENDS,
RISING STEM, SOLID WEDGE
 PN25/B 150WSP 300WOG



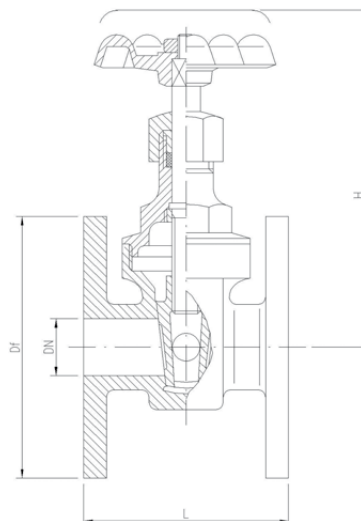
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Wedge	BRONZE-CC491K UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	020	025	032	040	050	065	080	100
Df (mm) (PN16)	95	105	115	140	150	165	185	200	220
L (mm)	80	85	90	105	115	125	145	160	170
H (mm)	100	120	135	150	175	195	230	260	290
WEIGHT (Kg)	1,70	2,2	3,1	4,8	5,7	7,4	10,7	13,5	19



16706

BRONZE GATE VALVE PN40
SCREWED BONNET FLANGED ENDS,
NON RISING STEM, SOLID WEDGE
 PN40/B 250WSP 500WOG



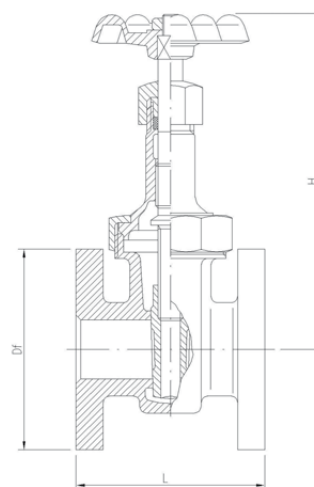
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Wedge	BRONZE-CC491K UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	020	025	032	040	050
Df (mm) (PN16)	95	105	115	140	150	165
L (mm)	85	90	100	115	125	140
H (mm)	115	120	145	165	180	205
WEIGHT (Kg)	2,4	3,3	4,0	5,8	8,3	10,2



15802

BRONZE GATE VALVE PN16
UNION BONNET FLANGED ENDS,
RISING STEM, SOLID WEDGE DISC
 PN16/B 100WSP 200WOG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Wedge	BRONZE-CC491K UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	020	025	032	040	050	065	080	100
Df (mm) (PN16)	95	105	115	140	150	165	185	200	220
L (mm)	85	85	92	117	127	148	156	172	165
H (mm)	102	127	140	167	187	231	270	325	365
WEIGHT (Kg)	1,8	2	3,3	5,5	5,9	8	8,8	10,3	20

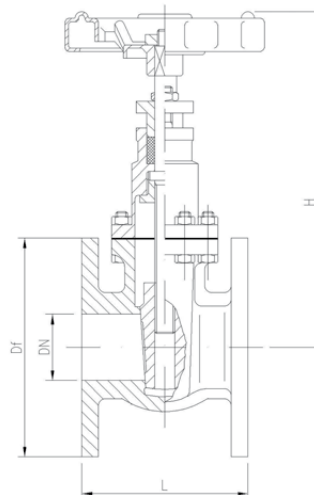


17001

BRONZE GATE VALVE PN16
BOLTED BONNET FLANGED ENDS,
INSIDE SCREW, SOLID WEDGE
 PN16/B 100WSP 200WOG

17002

PN16/B 100WSP 200WOG
 ALL IN BZ/AL



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Wedge	BRONZE-CC491K UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	020	025	032	040	050	065	080	100	125	150	200
Df (mm) (PN16)	105	115	140	150	165	185	200	220	250	285	342
L (mm)	90	100	105	118	127	149	160	174	180	210	228
H (mm)	155	160	185	205	230	240	300	340	600	700	550
WEIGHT (Kg)	3,250	3,900	5,450	6,8	8,3	13	16	21	35	50	79



17502

BRONZE GATE VALVE PN16
BOLTED BONNET FLANGED ENDS,
OUTSIDE SCREW AND YOKE,
FLEXIBLE WEDGE
 PN16/B 100WSP 200WOG

17503

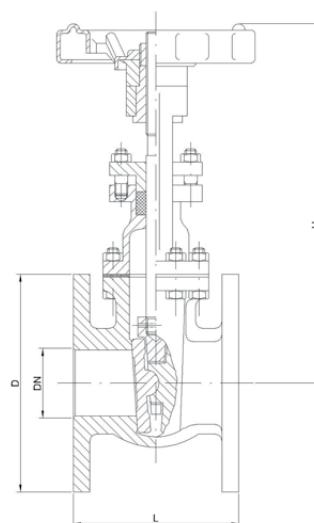
PN16/B 100WSP 200WOG
 ALL IN Bz/Al

17505

PN16/B 100WSP 200WOG
 ALL IN BRONZE

17507

PN16/B 100WSP 200WOG
 ASTM B16,10 ASA150 FACE TO FACE



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Wedge	BRONZE-CC491K UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	020	025	032	040	050	065	080	100	125	150	200
Df (mm) (PN16)	105	115	140	150	165	185	200	220	250	285	340
L (mm)	90	100	105	118	127	149	160	174	180	210	228
H (mm)	200	215	260	270	320	350	420	500	600	700	900
WEIGHT (Kg)	3,8	4,5	6,1	7,6	9,5	14,2	19,6	26	35	50	88

Globe Valves



THREADED GLOBE VALVES	21
THREADED ANGLE GLOBE VALVES	26
FLANGED GLOBE VALVES	28
FLANGED ANGLE GLOBE VALVES	31

■ THREADED VALVES can be manufactured according to the following standards:

ANSI - ASME B1.20.1 - NPT
GAS UNI - ISO228
ISO7/1 RC - RP THREADS

■ FLANGED VALVES can be manufactured according to the following standards:

PN16
PN20
B16.24 ASA 150

■ Special SEALING MATERIALS are available upon request:

TEFLON
NBR
EPDM



70401

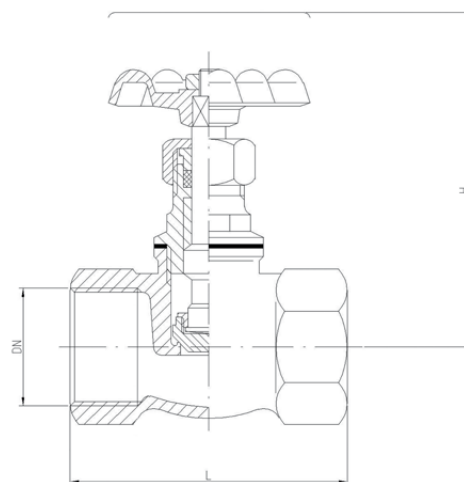
BRONZE GLOBE VALVE PN16 SCREWED BONNET FxF METAL DISC PN16/B 100WSP 200WOG

70402

PN16/B 100WSP 200WOG
PTFE DISC

70403

PN16/B 100WSP 200WOG
NBR DISC



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"
L (mm)	45	45	49	55	63	72	89	100
H (mm)	66	66	67	78	90	100	125	145
WEIGHT (Kg)	0,2	0,2	0,21	0,32	0,46	0,68	1,03	1,45



72451

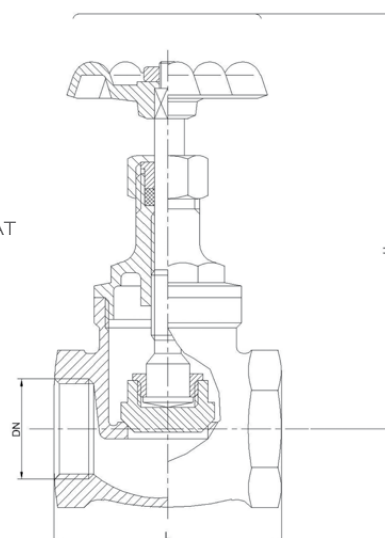
BRONZE GLOBE VALVE PN25 SCREWED BONNET FxF METAL DISC PN25/B 150WSP 300WOG

72452

PN25/B 150WSP 300WOG
PTFE DISC

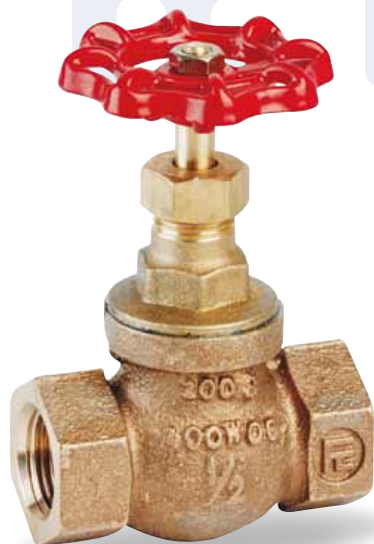
72453

PN25/B 150WSP 300WOG
AISI316 TRIM AND RENEWABLE SEAT



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	46	46	55	62	74	90	100	128	145	170	210
H (mm)	80	80	85	115	125	155	165	185	235	250	330
WEIGHT (Kg)	0,22	0,22	0,32	0,55	0,8	1,3	1,5	2,5	4,3	6,5	12



70757

BRONZE GLOBE VALVE PN32 SCREWED BONNET FxF PTFE DISC

PN32/B 200WSP 400WOG

70758

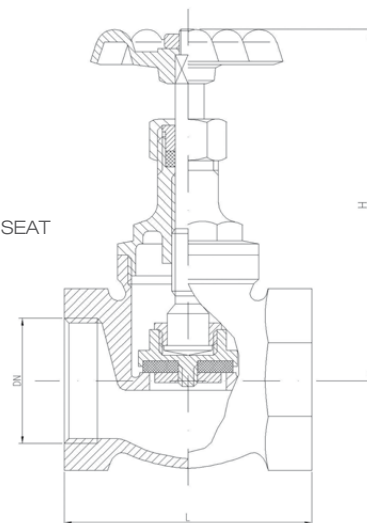
PN32/B 200WSP 400WOG

METAL DISC

70763

PN32/B 200WSP 400WOG

MONEL DISC AND RENEWABLE SEAT



	STANDARD MATERIALS
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	PTFE
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	52	55	65	75	85	100	110	135	150	180	220
H (mm)	80	80	90	120	140	165	170	220	240	260	330
WEIGHT (Kg)	0,32	0,32	0,46	0,88	1,35	1,9	2,35	4	5,8	9,5	17,2



72611

BRONZE GLOBE VALVE PN32 SCREWED BONNET FxF METAL DISC

PN32/B 200WSP 400WOG

72612

PN32/B 200WSP 400WOG

PTFE DISC

72614

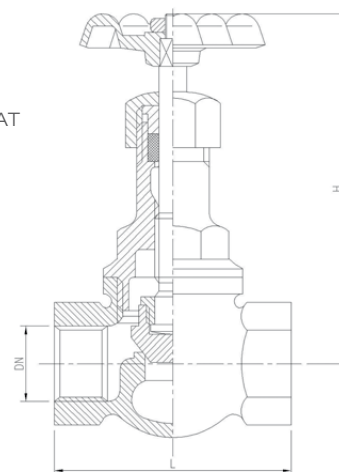
PN32/B 200WSP 400WOG

MONEL DISC AND RENEWABLE SEAT

72615

PN32/A 200WSP 400WOG

ALL IN BRONZE



	STANDARD MATERIALS
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"
L (mm)	65	70	85	95	110	125	145
H (mm)	100	115	140	155	180	190	215
WEIGHT (Kg)	0,55	0,7	1,15	1,7	2,6	3,4	4,9



75221

BRONZE GLOBE VALVE PN25 UNION BONNET FxF METAL DISC PN25/B 150WSP 300WOG

75222

PN25/B 150WSP 300WOG
PTFE DISC

75224

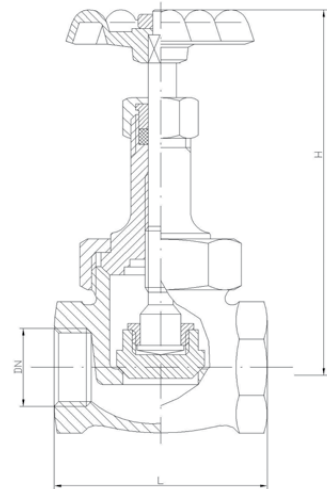
PN25/A 150WSP 300WOG
AISI 316 STEM, DISC AND RENEWABLE SEAT

75225

PN25/B 150WSP 300WOG
AISI 316 SEAT AND PTFE DISC

75229

PN25/A 150WSP 300WOG
ALL IN BRONZE



	STANDARD MATERIALS
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	46	46	56	62	74	91	100	128	145	170	210
H (mm)	100	100	105	135	150	170	195	220	230	250	370
WEIGHT (Kg)	0,3	0,3	0,355	0,68	1	1,48	1,85	2,85	4,5	7,3	13,35

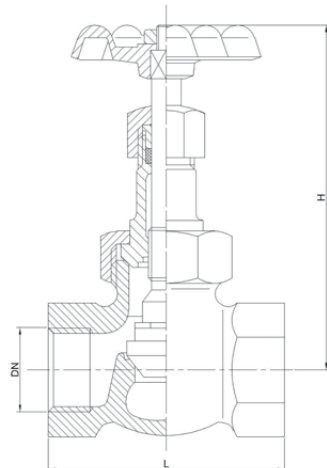


73219

BRONZE GLOBE VALVE PN32 UNION BONNET FxF METAL DISC PN32/B 200WSP 400WOG

73222

PN32/A 200WSP 400WOG
ALL IN BRONZE



	STANDARD MATERIALS
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	48	52	62	75	88	100	110	135	155	180	220
H (mm)	80	90	100	115	140	165	180	210	260	270	320
WEIGHT (Kg)	0,25	0,33	0,47	0,9	1,35	1,95	2,8	4,15	7,1	10,8	19



73940

**BRONZE GLOBE VALVE PN40
UNION BONNET FXF METAL DISC**
PN40/B 250WSP 500WOG

73928

PN40/B 250WSP 500WOG
PTFE DISC

73935

PN40/A 250WSP 500WOG
STEM, DISC AND RENOVABLE SEAT AISI 316

73944

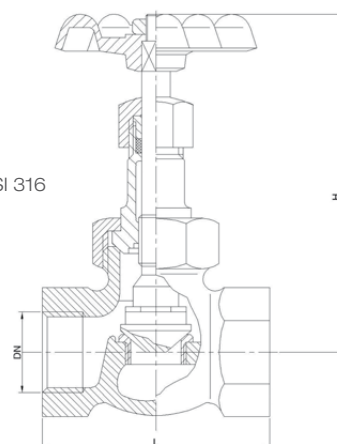
PN40/A 250WSP 500WOG
ALL IN BRONZE

73950

PN40/A 250WSP 500WOG
ALL IN Bz/Al

73942

PN40/B 250WSP 500WOG
DISC AND SEAT MONEL



	STANDARD MATERIALS
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	AISI 316
Stem	BRASS-CW614N UNI EN12164
Seat	AISI 316

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	55	60	67	80	95	106	116	150	155	180	220
H (mm)	90	95	115	135	155	180	190	220	260	270	320
WEIGHT (Kg)	0,4	0,5	0,65	1,15	1,7	2,6	3,15	5,3	7,1	10,8	19

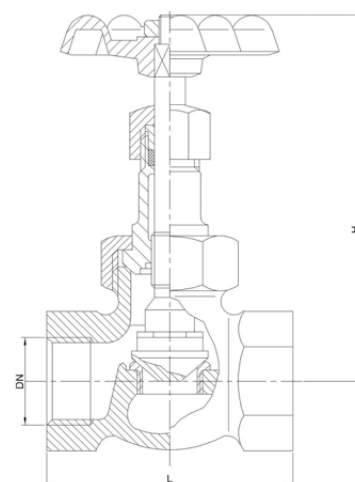


73432

**BRONZE GLOBE VALVE PN64
UNION BONNET FXF METAL DISC**
PN64 300WSP 1000WOG

73439

PN64 300WSP 1000WOG
DISC AND SEAT MONEL



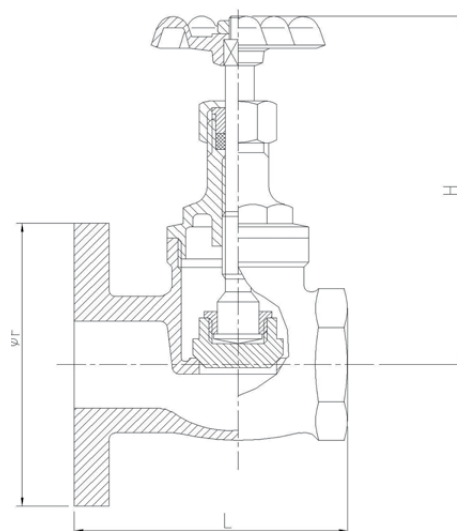
	STANDARD MATERIALS
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	AISI 316
Stem	AISI 316
Seat	AISI 316

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	55	60	67	80	95	110	120	150	155	180	220
H (mm)	90	95	115	135	155	180	190	220	260	270	320
WEIGHT (Kg)	0,4	0,5	0,65	1,15	1,7	2,6	3,15	5,3	7,1	10,8	19



72455

BRONZE GLOBE VALVE PN20
SCREWED BONNET FLANGED
FOR SCREWED ENDS, METAL DISC
 PN20/B 125WSP 250WOG



STANDARD MATERIALS

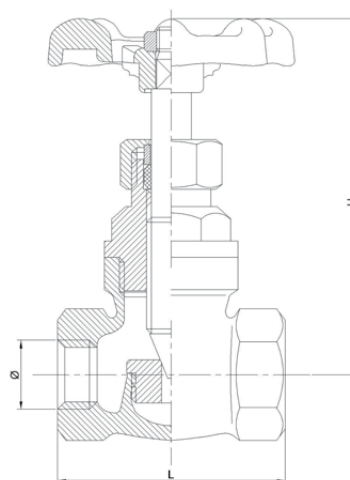
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	3-4"	1"	1"1-2	2"
L (mm)	71,5	83	108	135
H (mm)	114	115	105	185
Ø F (mm)	105	115	150	165
WEIGHT (Kg)	1,15	1,67	3,12	5,2



72456

BRONZE GLOBE VALVE PN25
SCREWED BONNET FXF
NEEDLE METAL DISC
 PN25/B 150WSP 300WOG



STANDARD MATERIALS

Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	BRASS-CW614N UNI EN12164

	1-4"	3-8"	1-2"	3-4"
L (mm)	46	46	55	62
H (mm)	80	80	85	115
WEIGHT (Kg)	0,22	0,22	0,32	0,55



73111

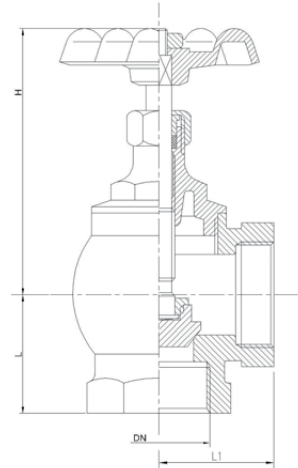
BRONZE ANGLE VALVE PN16
SCREWED BONNET FxF METAL DISC
 PN16/B 100WSP 200WOG

73112

PN16/B 100WSP 200WOG
 PTFE DISC

73113

PN16/B 100WSP 200WOG
 NBR DISC



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"
L (mm)	21	21	25	31	34	42	49	57
L1 (mm)	21	21	26	32	34	43	49	63
H (mm)	56	56	66	73	95	112	130	130
WEIGHT (Kg)	0,158	0,185	0,222	0,313	0,5	0,8	1,1	1,45

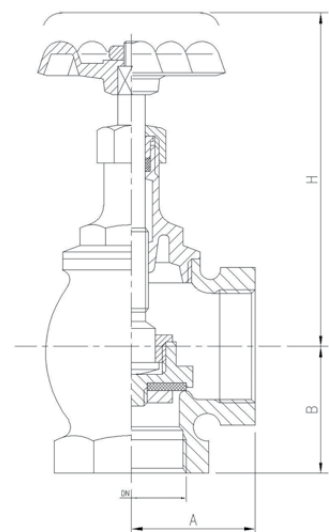


72917

BRONZE ANGLE VALVE PN32
SCREWED BONNET FxF PTFE DISC
 PN32/B 200WSP 400WOG

72918

PN32/B 200WSP 400WOG
 METAL DISC



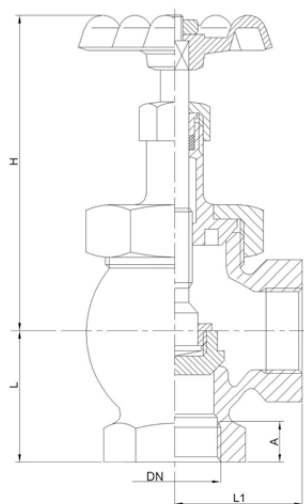
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	PTFE
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"
B (mm)	30	35	40	45	50	60	58	75
A (mm)	31	36	41	46	51	61	59	76
H (mm)	80	90	120	135	140	170	190	220
WEIGHT (Kg)	0,3	0,4	0,7	1,2	1,35	2	2,7	4,5



73623

**BRONZE ANGLE VALVE PN32
UNION BONNET FxF METAL DISC**
PN32/B 200WSP 400WOG



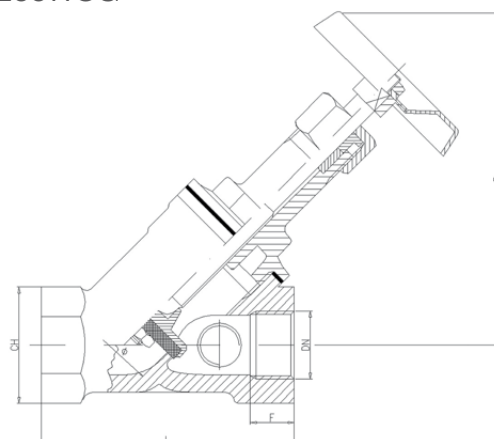
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"
L (mm)	23	29	34	40	45	55	60	69
L1 (mm)	24	30	35	41	48	56	61	70
A (mm)	10	10	13	15	15	17	18	23
H (mm)	80	90	100	120	150	170	185	193



VGL70152

**BRONZE VALVE Y PATTERN PN16
SCREWED BONNET FxF WITH DRAIN PLUG,
PTFE DISC**
PN16/B 100WSP 200WOG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	PTFE
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
Ø (mm)	12	15	20	25	32	40	50	65	78	98
L (mm)	55	59	69	82	98,5	109	131	151	172	219
B (mm)	83	86	100	108	131	145	174	204	220	290
F (mm)	10	11	12	14	17	17	19	21	21	24
CH (mm)	22	26	32	38	48	52	66	82	96	124
WEIGHT (Kg)	0,34	0,36	0,56	0,74	1,2	1,4	2,34	3,6	4,88	9,4



80401

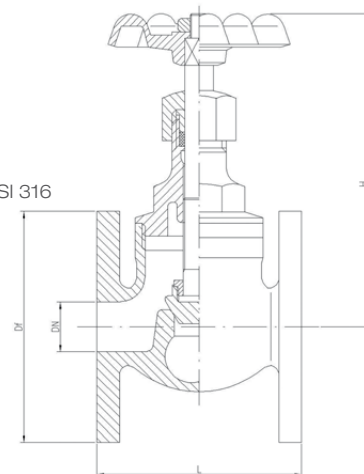
BRONZE GLOBE VALVE PN16
SCREWED BONNET
FLANGED ENDS METAL DISC
 PN16/B 100WSP 200WOG

80402

PN16/B 100WSP 200WOG
 PTFE DISC

80403

PN16/B 100WSP 200WOG
 DISC AND RENEWABLE SEAT AISI 316



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	020	025	032	040	050	065	080	100
Df (mm) (PN16)	95	105	115	140	150	165	185	200	220
L (mm)	80	80	92	102	118	140	160	190	244
H (mm)	125	125	130	160	190	215	230	250	300
WEIGHT (Kg)	1,85	1,9	2,4	2,95	3,6	6,3	8,7	11,8	19,5



80001

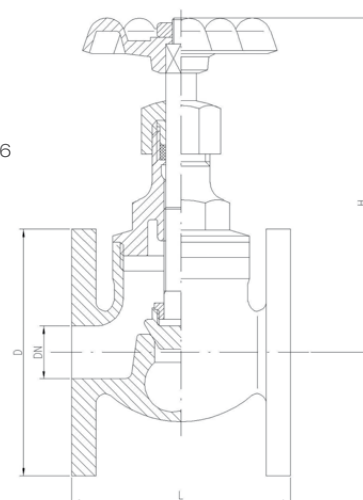
BRONZE GLOBE VALVE PN25
SCREWED BONNET
FLANGED ENDS METAL DISC
 PN25/B 150WSP 300WOG

80002

PN25/A 150WSP 300WOG
 ALL IN BZ/AL

80005

PN25/B 150WSP 300WOG
 DISC AND RENEWABLE SEAT AISI 316



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	020	025	032	040	050	065	080	100
Df (mm) (PN16)	95	105	115	140	150	165	185	200	220
L (mm)	75	80	100	115	130	160	180	200	250
H (mm)	125	150	160	190	210	250	260	300	350
WEIGHT (Kg)	1,7	2,45	3,45	5	6,6	9,35	12,5	16	24,5



82001

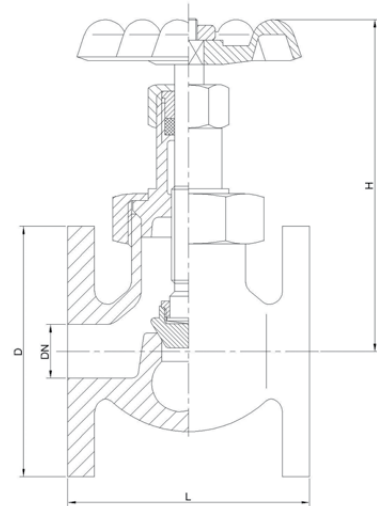
BRONZE GLOBE VALVE PN20
UNION BONNET
FLANGED ENDS METAL DISC
 PN20/B 125WSP 250WOG

82002

PN20/B 125WSP 250WOG
 PTFE DISC

82003

PN20/B 125WSP 250WOG
 DISC AND RENEWABLE SEAT AISI 316



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	020	025	032	040	050	065	080	100
Df (mm) (PN16)	95	105	115	140	150	165	185	200	220
L (mm)	80	80	92	102	118	140	160	190	244
H (mm)	130	135	150	170	195	220	230	250	370
WEIGHT (Kg)	1,9	2	2,5	3,1	3,78	6,6	9,1	12,5	23,2

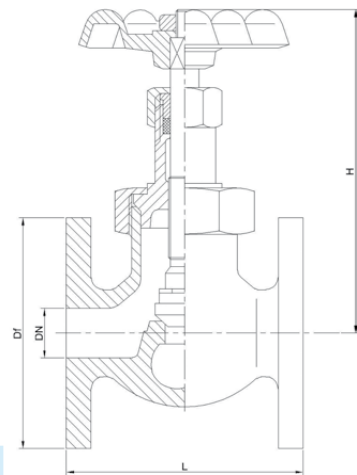


82225

BRONZE GLOBE VALVE PN25
UNION BONNET
FLANGED ENDS METAL DISC
 PN25/B 150WSP 300WOG

82226

PN25/B 150WSP 300WOG
 DISC AND RENEWABLE SEAT AISI 316, DZR BRASS STEM



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	020	025	032	040	050	065	080	100
Df (mm) (PN16)	95	105	115	140	150	165	185	200	220
L (mm)	75	80	100	115	130	140	180	200	250
H (mm)	125	150	160	190	210	250	260	300	350
WEIGHT (Kg)	2	2,5	3,75	5,5	7	9,6	13	17	24,5



85103

BRONZE GLOBE VALVE PN16
BOLTED BONNET FLANGED ENDS,
OUTSIDE SCREW AND YOKE, METAL DISC
 PN16/B 100WSP 200WOG

85104

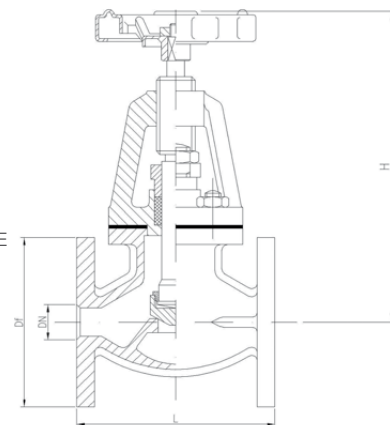
PN16/B 100WSP 200WOG
 ALL IN BZ/AL

85106

PN16/B 100WSP 200WOG
 ALL IN BRONZE

85110

PN16/B 100WSP 200WOG
 ALL IN BRONZE AND FACE TO FACE
 ASTM B16,10 ASA150



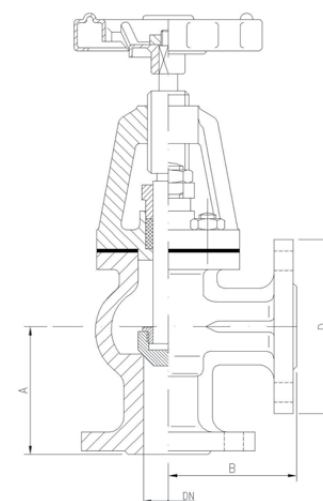
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	BRONZE-CC491K UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	020	025	032	040	050	060	070	080	090	100
Df (mm) (PN16)	95	105	115	140	150	165	185	185	200	215	225
H (mm)	190	205	225	240	265	290	320	335	340	380	380
L (mm)	110	125	134	150	178	198	218	240	265	280	300
WEIGHT (Kg)	3,5	4,5	5,6	7,7	10,5	13,8	20,2	23	28,5	34,5	39,5



85404

BRONZE ANGLE VALVE PN16
BOLTED BONNET FLANGED ENDS,
OUTSIDE SCREW AND Yoke, METAL DISC
 PN16/B 100WSP 200WOG



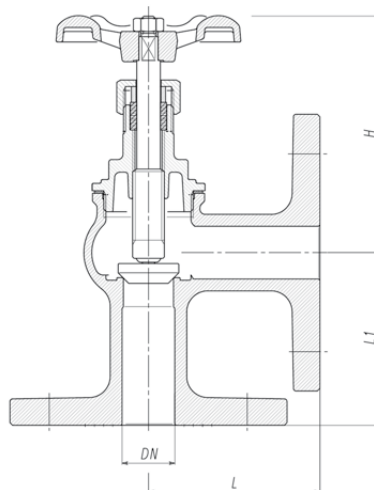
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	BRONZE-CC491K UNI EN1982
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	020	025	032	040	050	065	080	100
Df (mm) (PN16)	95	105	115	140	150	165	185	200	220
A (mm)	65	70	75	90	100	105	112	150	180
B (mm)	65	70	75	90	100	105	112	150	180
H (mm)	200	215	230	255	290	320	340	380	420
WEIGHT (Kg)	3,8	5	6,2	8,8	11,7	15,2	20	27	38



VGL80612

BRONZE ANGLE VALVE PN16
SCREWED BONNET
FLANGED ENDS METAL DISC
 PN16/B 100WSP 200WOG



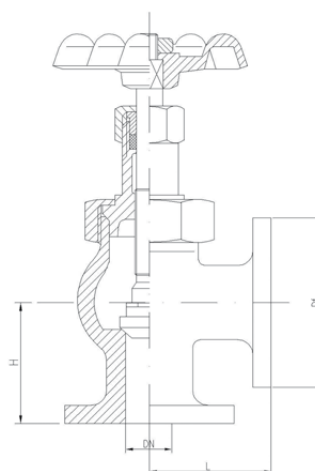
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	020	025	032	040	050	065	080	100
L (mm)	60	65	72	85	90	105	110	115	140
L1 (mm)	60	65	72	85	90	105	110	115	140
H (mm)	74	83	104	110	143	160	187	225	220



82636

BRONZE ANGLE VALVE PN16
UNION BONNET
FLANGED ENDS METAL DISC
 PN16/B 100WSP 200WOG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	020	025	032	040	050	065	080	100
H (mm)	115	130	140	160	185	210	240	280	320
L (mm)	65	65	70	90	95	105	115	150	180
Df (mm)	95	105	115	140	150	165	185	200	220
WEIGHT (Kg)	2,3	2,9	3,6	5,7	6,7	9,3	12,5	16	25

Check valves



THREADED PISTON CHECK VALVES	33
THREADED ANGLE PISTON CHECK VALVES	35
FLANGED PISTON CHECK VALVES	36
FLANGED ANGLE PISTON CHECK VALVES	37
THREADED SWING CHECK VALVES	38
FLANGED SWING CHECK VALVES	40
THREADED VERTICAL LIFT AND FOOT CHECK VALVES	41

- THREADED VALVES can be manufactured according to the following standards:
ANSI - ASME B1.20.1 - NPT
GAS UNI - ISO228
ISO7/1 RC - RP THREADS
- FLANGED VALVES can be manufactured according to the following standards:
PN16
PN20
B16.24 ASA 150
- Special SEALING MATERIALS are available upon request:
TEFLON
NBR
EPDM

70651



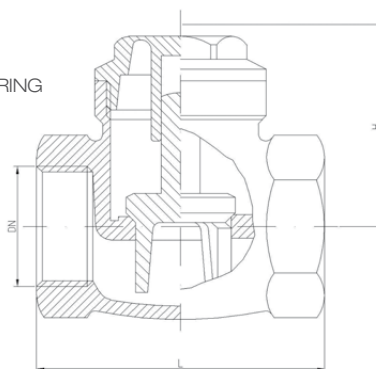
BRONZE HORIZONTAL PISTON CHECK VALVE PN25 SCREWED BONNET Fx METAL DISC PN25/B 150WSP 300WOG

70656

PN25/B 150WSP 300WOG
PTFE DISC AND STAINLESS STEEL SPRING

70657

PN25/B 150WSP 300WOG
NBR DISC AND STAINLESS STEEL SPRING



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Cap	BRASS-CW614N UNI EN12164
Disc	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	46	46	55	62	74	90	100	128	145	170	210
H (mm)	30	30	35	40	45	60	60	70	90	100	110
WEIGHT (Kg)	0,19	0,19	0,28	0,464	0,7	1,16	1,4	2,51	3,4	5,5	10,8

70961



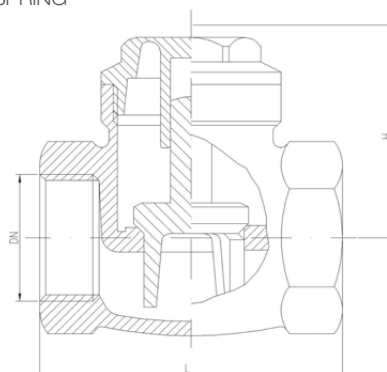
BRONZE HORIZONTAL PISTON CHECK VALVE PN32 SCREWED BONNET Fx METAL DISC PN32/B 200WSP 400WOG

70962

PN32/B 200WSP 400WOG
PTFE DISC AND STAINLESS STEEL SPRING

70963

PN32/B 200WSP 400WOG
NBR DISC AND STAINLESS STEEL SPRING



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Cap	BRASS-CW614N UNI EN12164
Disc	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	52	55	65	75	85	100	110	135	150	180	220
H (mm)	35	38	40	45	55	60	70	80	100	110	120
WEIGHT (Kg)	0,25	0,25	0,4	0,68	1	1,45	1,7	3	4,8	8	15



75321

BRONZE HORIZONTAL PISTON CHECK VALVE PN25 UNION BONNET FxF METAL DISC

PN25/B 150WSP 300WOG

75322

PN25/B 150WSP 300WOG

PTFE DISC

75323

PN25/B 150WSP 300WOG

STAINLESS STEEL SEAT, DISC AND SPRING

75325

PN25/B 150WSP 300WOG

STAINLESS STEEL SEAT,
SPRING AND PTFE DISC

75326

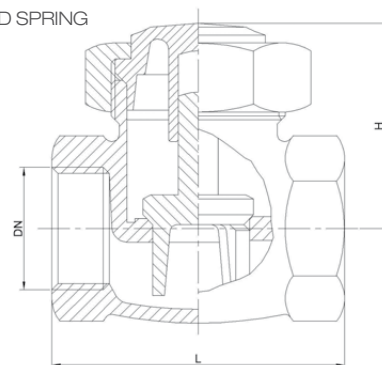
PN25/A 150WSP 300WOG

ALL IN BRONZE

75319

PN25/B 150WSP 300WOG

STAINLESS STEEL SEAT AND DISC



	STANDARD MATERIALS
Body	BRONZE-CC491K UNI EN1982
Cap	BRASS-CW614N UNI EN12164
Disc	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4"	1"1-2"	2"	2"1-2"	3"	4"
L (mm)	46	46	56	62	74	91	100	128	145	170	210
H (mm)	30	30	35	45	50	60	65	80	85	125	155
WEIGHT (Kg)	0,25	0,25	0,27	0,47	0,72	1,16	1,5	2,25	3,95	6,2	11,9



74029

BRONZE HORIZONTAL PISTON CHECK VALVE PN40 UNION BONNET FxF METAL DISC

PN40/B 250WSP 500WOG

74028

PN40/A 250WSP 500WOG

ALL IN BZ/AL

74030

PN40/B 250WSP 500WOG

PTFE DISC

74031

PN40/A 250WSP 500WOG

STAINLESS STEEL SEAT AND DISC

74034

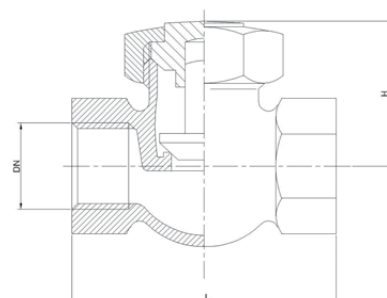
PN40/B 250WSP 500WOG

MONEL SEAT AND DISC

74035

PN40/B 250WSP 500WOG

PTFE DISC AND STAINLESS STEEL SPRING



	STANDARD MATERIALS
Body	BRONZE-CC491K UNI EN1982
Cap	BRONZE-CC491K UNI EN1982
Disc	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

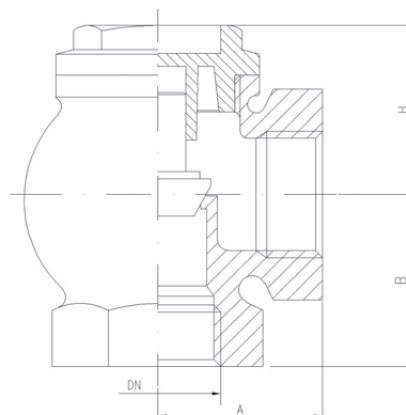
	1-4"	3-8"	1- 2"	3-4"	1"	1"1-4"	1"1-2"	2"	2"1-2"	3"	4"
L (mm)	55	60	67	80	95	106	120	150	155	180	220
H (mm)	30	35	40	45	50	60	75	85	105	115	130
WEIGHT (Kg)	0,4	0,45	0,5	0,9	1,45	2,2	2,7	4,2	5,8	8	17



73018

BRONZE ANGLE PISTON CHECK VALVE PN25 SCREWED BONNET FxF METAL DISC

PN25/B 150WSP 300WOG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Cap	BRASS-CW617N UNI EN12165
Disc	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

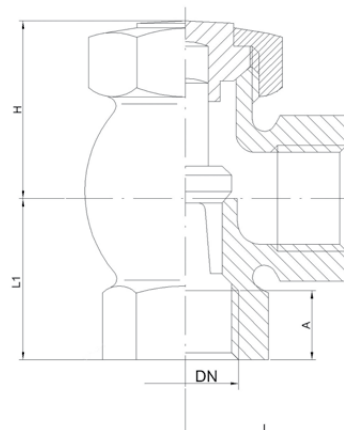
	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"
A (mm)	20	25	30	40	45	50	60	70
B (mm)	21	27	38	44	47	52	63	73
H (mm)	25	30	35	45	50	55	60	70
WEIGHT (Kg)	0,15	0,25	0,3	0,6	0,7	1,25	1,3	2,1



73724

BRONZE ANGLE PISTON CHECK VALVE PN32 UNION BONNET FxF METAL DISC

PN32/B 200WSP 400WOG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Cap	BRASS-CW614N UNI EN12164
Disc	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

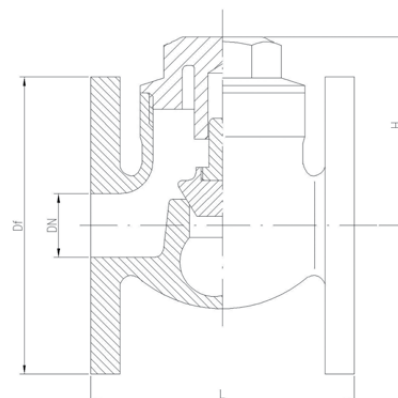
	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"
L (mm)	23	29	34	40	45	55	60	69
L1 (mm)	24	30	35	41	48	56	61	70
A (mm)	10	10	13	15	15	17	18	23
H (mm)	25	30	35	45	55	60	65	75



80203

BRONZE HORIZONTAL PISTON CHECK VALVE PN16 SCREWED BONNET FLANGED ENDS

PN16/B 100WSP 200WOG



	STANDARD MATERIALS
Body	BRONZE-CC491K UNI EN1982
Cap	BRASS-CW614N UNI EN12164
Disc	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	020	025	032	040	050	065	080	100
Df (mm) (PN16)	95	105	115	140	150	165	185	200	220
L (mm)	80	80	92	102	118	140	160	190	244
H (mm)	60	65	70	80	85	90	100	110	130



85204

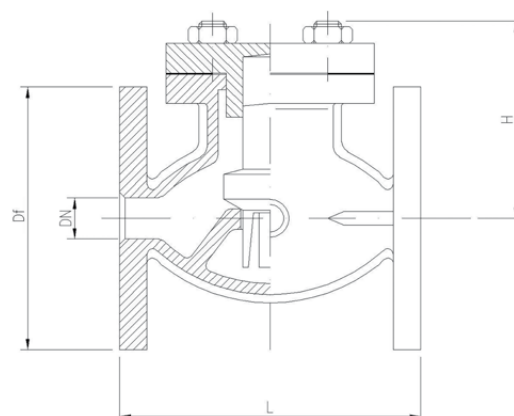
BRONZE HORIZONTAL PISTON CHECK VALVE PN16 BOLTED BONNET FLANGED ENDS

PN16/B 100WSP 200WOG

85205

PN40/A 250WSP 500WOG

ALL IN BRONZE



	STANDARD MATERIALS
Body	BRONZE-CC491K UNI EN1982
Cap	BRONZE-CC491K UNI EN1982
Disc	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

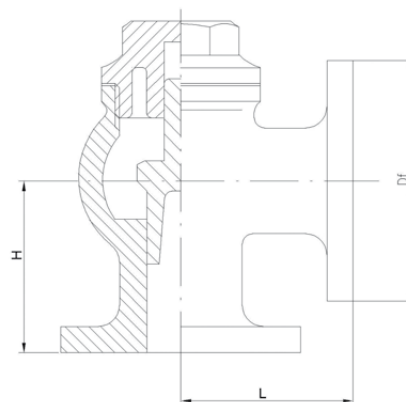
	015	020	025	032	040	050	060	080	100
Df (mm)(PN16)	95	105	115	140	150	165	185	200	220
L (mm)	110	125	134	150	178	198	218	265	300
H (mm)	70	85	90	95	105	130	135	150	175
WEIGHT (Kg)	3,2	3,8	4,2	6,5	9	11,2	17	25	36



80814

BRONZE ANGLE PISTON CHECK VALVE PN16 SCREWED BONNET FLANGED ENDS

PN16/B 100WSP 200WOG



STANDARD MATERIALS

Body	BRONZE-CC491K UNI EN1982
Cap	BRONZE-CC491K UNI EN1982
Disc	BRONZE-CC491K UNI EN1982
Seat	INTEGRAL SEAT

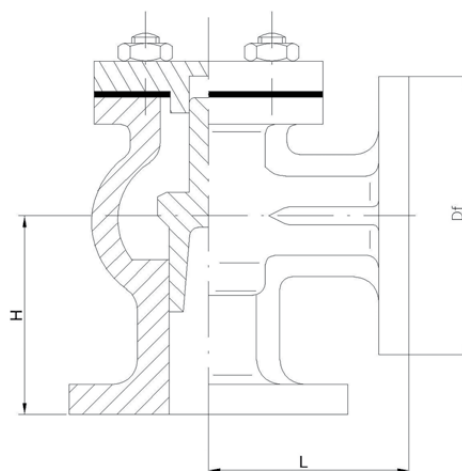
	010	015	020	025	032	040	050	065	080	100
Df (mm) (PN16)	90	95	105	115	140	150	165	185	200	220
L (mm)	60	65	65	70	90	95	105	115	150	180
H (mm)	45	48	55	60	70	75	85	95	100	110
WEIGHT (Kg)	1,8	1,8	2,6	2,8	4,8	5,7	7,4	10,5	13	21



85505

BRONZE ANGLE PISTON CHECK VALVE PN16 BOLTED BONNET FLANGED ENDS

PN16/B 100WSP 200WOG



STANDARD MATERIALS

Body	BRONZE-CC491K UNI EN1982
Cap	BRONZE-CC491K UNI EN1982
Disc	BRONZE-CC491K UNI EN1982
Seat	INTEGRAL SEAT

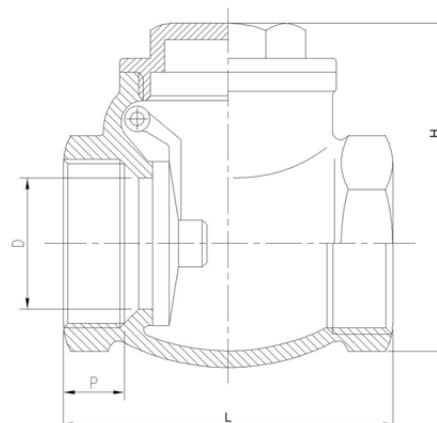
	015	020	025	032	040	050	060	080	100
Df (mm) (PN16)	95	105	115	140	150	165	185	200	220
L (mm)	65	70	75	90	100	105	110	150	180
H (mm)	55	70	75	80	90	95	105	120	130
WEIGHT (Kg)	3,5	4,2	4,8	7,2	10	12,8	16,8	24	35



VRI77104

BRASS SWING CHECK VALVE PN16 SCREWED BONNET SCREWED ENDS

PN16/B 100WSP 200WOG



STANDARD MATERIALS	
Body	BRASS-CW617N UNI EN12165
Cap	BRASS-CW617N UNI EN12165
Disc	BRASS-CW617N UNI EN12165
Seat	INTEGRAL SEAT

	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
P (mm)	8	8	8	10	10	10	11	16	16	20
L (mm)	47	47	53	63	74	87	97	118	135	164
H (mm)	46	46	51	61	73	85	94	107	130	159
D (mm)	10	15	20	25	33	37	47	55	70	90
WEIGHT (Kg)	0,183	0,161	0,233	0,352	0,458	0,724	1,01	1,476	2,344	3,792



77105

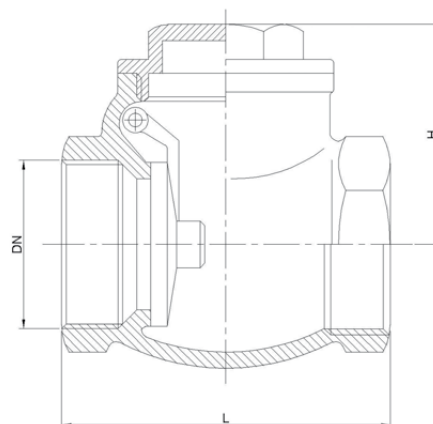
BRONZE SWING CHECK VALVE PN16 SCREWED BONNET SCREWED ENDS

PN16/B 100WSP 200WOG

77106

PN16/B 100WSP 200WOG

NBR DISC



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Cap	BRASS-CW617N UNI EN12165
Disc	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	48	52	66,5	71	90	87	110	124	146	190
H (mm)	32	38	45	48,5	58	62	67	78	89	102
WEIGHT (Kg)	0,167	0,223	0,365	0,495	0,726	0,832	1,38	2,28	3,16	5,7

77001



BRONZE SWING CHECK VALVE PN25 SCREWED BONNET SCREWED ENDS

PN25/B 150WSP 300WOG

77002

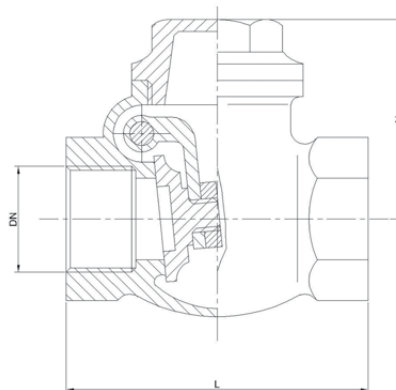
PN25/B 150WSP 300WOG

PTFE DISC

77003

PN25/B 150WSP 300WOG

NBR DISC



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Cap	BRONZE-CC491K UNI EN1982
Disc	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	60	60	70	85	95	110	130	150	180	195
H (mm)	40	45	50	60	70	75	85	100	120	120
WEIGHT (Kg)	0,27	0,3	0,5	0,85	1,15	1,7	2,470	3,750	6,080	9,250

77204



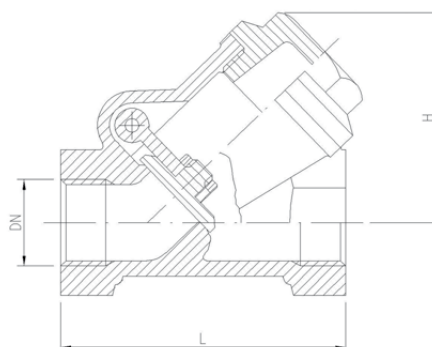
BRONZE Y SWING CHECK VALVE PN32 SCREWED BONNET SCREWED ENDS

PN32/B 200WSP 400WOG

77205

PN32/B 200WSP 400WOG

PTFE DISC



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Cap	BRONZE-CC491K UNI EN1982
Disc	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"
L (mm)	65	65	70	83	90	105	125	148	180	280
H (mm)	45	45	50	60	70	75	90	105	130	160
WEIGHT (Kg)	0,35	0,35	0,45	0,75	0,86	1,25	1,75	2,85	4,35	9



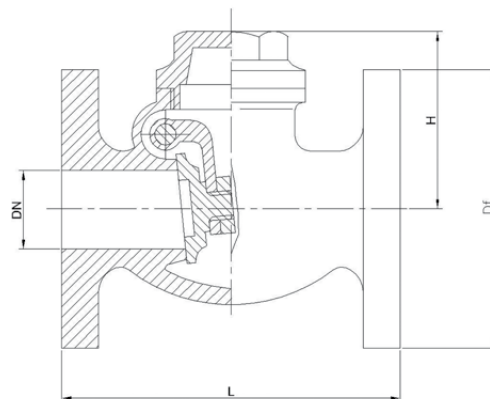
77404

BRONZE SWING CHECK VALVE PN16 SCREWED BONNET FLANGED ENDS

PN16/B 100WSP 200WOG

77405

PTFE DISC



STANDARD MATERIALS

Body	BRONZE-CC491K UNI EN1982
Cap	BRONZE-CC491K UNI EN1982
Disc	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

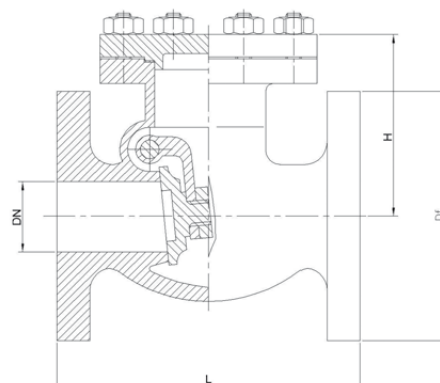
	015	020	025	032	040	050	065	080	100
Df (mm) (PN16)	95	105	115	140	150	165	185	200	220
L (mm)	70	80	101	107	121	150	175	197	220
H (mm)	52	56	60	65	70	85	95	125	145
WEIGHT (Kg)	1,3	1,8	2,5	3,25	4,4	6,4	9,3	12	19



77504

BRONZE SWING CHECK VALVE PN16 BOLTED BONNET FLANGED ENDS

PN16/B 100WSP 200WOG



STANDARD MATERIALS

Body	BRONZE-CC491K UNI EN1982
Cap	BRONZE-CC491K UNI EN1982
Disc	BRONZE-CC491K UNI EN1982
Seat	INTEGRAL SEAT

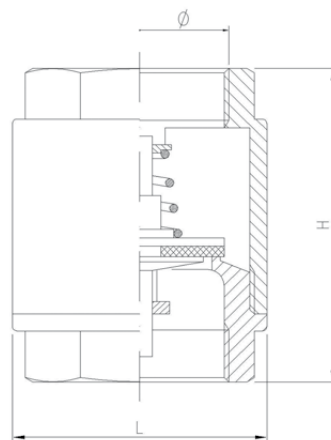
	050	080	100
Df (mm) (PN16)	165	200	220
L (mm)	203	241	292
WEIGHT (Kg)	85	125	145



VRI77601

BRASS VERTICAL LIFT CHECK VALVE PN10 SCREWED ENDS

PN10



STANDARD MATERIALS	
Body	BRASS CW617N UNI EN12165
Body End	BRASS CW617N UNI EN12165
Disc	BRASS CW614N UNI EN12164
Seat	INTEGRAL SEAT

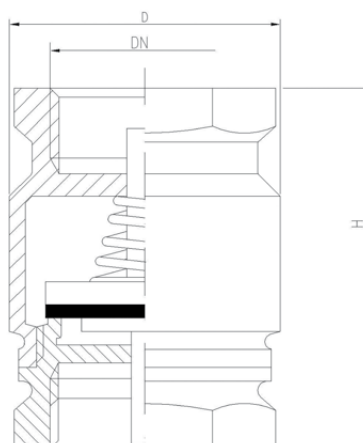
	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	29	29	31	39	47	56	66	83	107	109	140
H (mm)	45	45	45	50	58	64	69	77	87	102	112
WEIGHT (Kg)	0,09	0,075	0,124	0,195	0,293	0,43	0,59	0,889	1,218	1,527	2,71



77632

BRONZE VERTICAL LIFT CHECK VALVE PN16 SCREWED ENDS

PN16/B 100WSP 200WOG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Body End	BRONZE-CC491K UNI EN1982
Disc	NBR
Seat	INTEGRAL SEAT

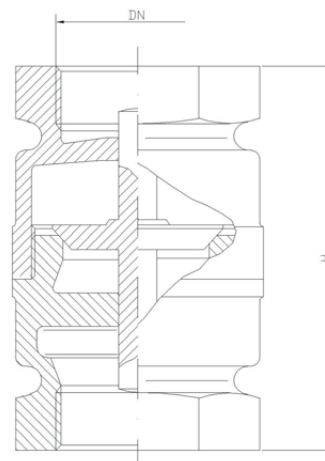
	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
D (mm)	30	37	47	60	70	84	110	125	162
H (mm)	56	60	67	76	83	92	112	120	140
WEIGHT (Kg)	0,155	0,21	0,355	0,57	0,75	1,265	2,045	2,8	4,45



77608

BRONZE VERTICAL LIFT CHECK VALVE PN25 SCREWED ENDS

PN25/B 150WSP 300WOG



STANDARD MATERIALS

Body	BRONZE-CC491K UNI EN1982
Body End	BRONZE-CC491K UNI EN1982
Disc	BRONZE-CC491K UNI EN1982
Seat	INTEGRAL SEAT

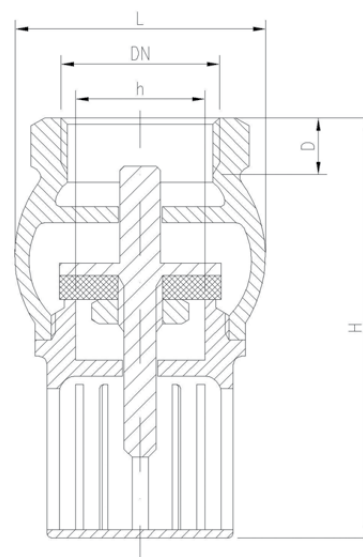
	1-4"	3-8"	1-2"	3-4"	1"	1"1-4"	1"1-2"	2"	2"1-2"	3"	4"
H (mm)	55	60	70	80	95	105	115	125	155	180	205
WEIGHT (Kg)	0,15	0,2	0,3	0,45	0,76	1,05	1,35	2,05	3,4	4,9	7,4



VDF78001

BRASS FOOT VALVE VERTICAL LIFT WITH STRAINER PN10 SCREWED ENDS

PN10



STANDARD MATERIALS

Body	BRASS-CW617 UNI EN12165
Strainer	BRASS-CW614 UNI EN12164
Disc	NBR
Seat	INTEGRAL SEAT

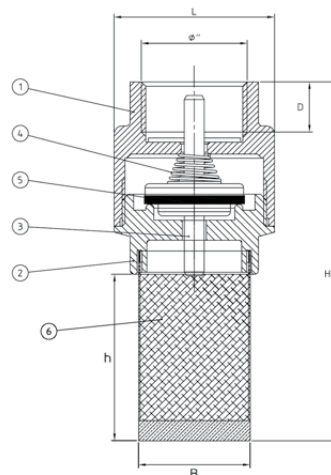
	1-2"	3-4"	1"	1"1-4"	1"1-2"	2"	2"1-2"	3"	4"	5"
D (mm)	10	10	12	13	13	15	12	15	22	30
L (mm)	40	45	51	61	68	80	103	115	145	180
H (mm)	61	67	77	90	91	109	136	151	187	239
h (mm)	23	23	28	34	41	51	62	73	93	103
WEIGHT (Kg)	0,145	0,207	0,288	0,428	0,542	0,832	1,344	1,668	3,318	6,135



VDF77702

BRASS FOOT VALVE VERTICAL LIFT WITH STAINLESS STEEL STRAINER PN10

PN10



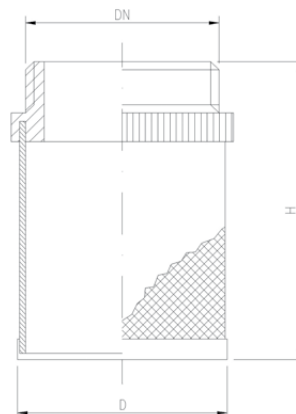
STANDARD MATERIALS	
Body	BRASS-CW617N UNI EN12165
Filter	STAINLESS STEEL
Disc	NYLON+NBR

	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
h (mm)	35	41	41	50	61	71	70	86	101
H (mm)	76	88	96	109	127	143	147	177	198
L (mm)	31	39	47	56	66	83	107	109	140
D (mm)	11	11	14	17	15	17	17	21	21
B (mm)	23	29	37	44	50	61	81	94	116
PN	10	10	10	8	8	8	6	6	6



FIL77652

STAINLESS STEEL SCREEN



STANDARD MATERIALS	
Filter	STAINLESS STEEL

	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
D (mm)	19	22	29	36	44	49	61	80	93	116
H (mm)	50	50	56	58	69	78	96	98	112	131
WEIGHT (Kg)	0,02	0,03	0,04	0,07	0,085	0,1	0,195	0,23	0,32	0,49

Y Strainers



THREADED Y STRAINERS

45

FLANGED Y STRAINERS

47

- THREADED VALVES can be manufactured according to the following standards:

ANSI - ASME B1.20.1 - NPT
GAS UNI - ISO228
ISO7/1 RC - RP THREADS

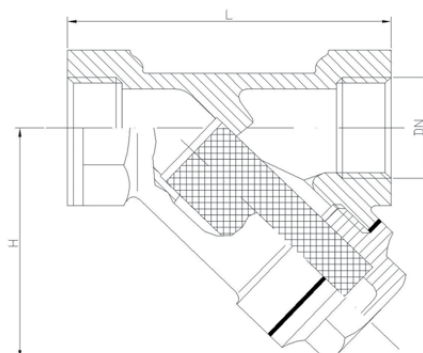
- FLANGED VALVES can be manufactured according to the following standards:

PN16
PN20
B16.24 ASA 150

FIL54116

BRASS Y STRAINER PN20-16 SCREWED ENDS

PN20-16/B 125-100WSP 250-200WOG



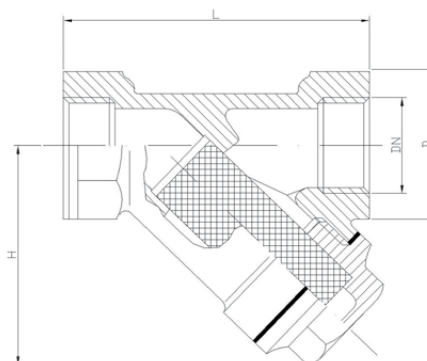
STANDARD MATERIALS	
Body	BRASS-CW617N UNI EN12165
Cap	BRASS-CW617N UNI EN12165
Screen	STAINLESS STEEL

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"
PN	20	20	20	20	20	20	20	20	16	16
L (mm)	55	55	58	70	87	96	106	126	145	165
H (mm)	40	40	40	50	60	68	75	90	100	118
Holes pitch (mm)	1,5	1,5	1,5	1,5	1,5	2	2	2	2,5	2,5
Inscribed hole diam.micron	400	400	400	400	400	500	500	500	600	600
Holes per cm²	150	150	150	150	150	80	80	80	53	53
Holes percentage on total surface	38%	38%	38%	38%	38%	48%	48%	48%	50%	50%

FIL54156

BRONZE Y STRAINER PN16 SCREWED ENDS

PN16/B 100WSP 200WOG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN 1982
Cap	BRASS-CW617N UNI EN12165
Screen	STAINLESS STEEL

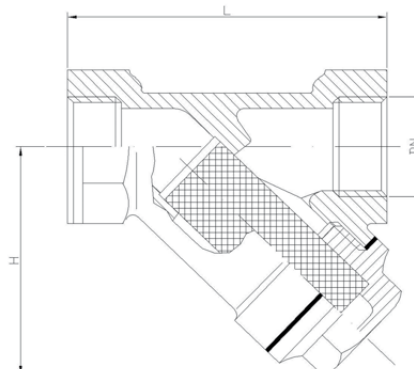
	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	55	58	69	82	98	109	131	151	172	219
H (mm)	40	44	47	56	68	78	98	114	129	170
D (mm)	26	29	37	42	54	61	74	93	113	145
Holes Dimension	0,4	0,8	0,8	0,8	0,8	0,8	0,8	0,53	0,53	0,53
MESH	45	23	23	23	23	23	23	32	32	32
WEIGHT (Kg)	0,22	0,225	0,322	0,447	0,739	0,917	1,6	2,4	4,6	7,2



FIL54157

BRONZE Y STRAINER PN20-16 SCREWED ENDS

PN20-16/B 125-100WSP 250-200WOG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN 1982
Cap	BRASS-CW617N UNI EN12165
Screen	STAINLESS STEEL

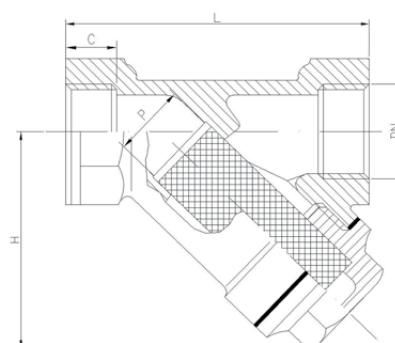
	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	55	58	70	87	96	106	126	145	165	215
H (mm)	40	40	50	60	68	75	90	100	118	170
Holes per cm ²	150	150	150	150	80	80	80	53	53	53
Holes Dimension	0,4	0,4	0,4	0,4	0,5	0,5	0,5	0,6	0,6	0,6
MESH	45	45	45	45	40	40	40	30	30	30
PN	20	20	20	20	20	20	20	16	16	16
WEIGHT (Kg)	0,19	0,24	0,35	0,48	0,8	0,94	1,5	2,35	3,7	6,65



FIL54158

BRONZE Y STRAINER PN16 SCREWED ENDS

PN16/B 100WSP 200WOG



STANDARD MATERIALS	
Body	BRASS-CW617 UNI EN12165
Strainer	BRASS-CW614 UNI EN12164
Disc	NBR
Seat	INTEGRAL SEAT

	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	55	62	83	92	105	115	147	169	172	226
H (mm)	42	42	45	53	65	73	92	105	128	178
C (mm)	9	12	14	15	16	18	19	19,5	20	22
P (mm)	16	16	20	24	29	37	48	62	68	92
WEIGHT (Kg)	0,25	0,3	0,356	0,48	0,72	0,9	1,6	2,5	3,7	6,8
MESH	50	50	50	50	40	40	40	18	18	18



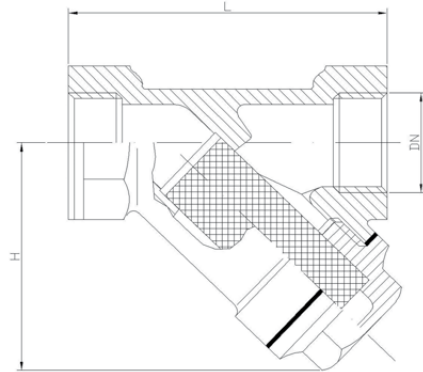
54217

BRONZE Y STRAINER PN25-32 SCREWED ENDS

PN25/B-32/B 150-200WSP 300-400WOG

52220

PN32/B 200WSP 400WOG
WITH PLUG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN 1982
Cap	BRONZE-CC491K UNI EN 1982
Screen	STAINLESS STEEL

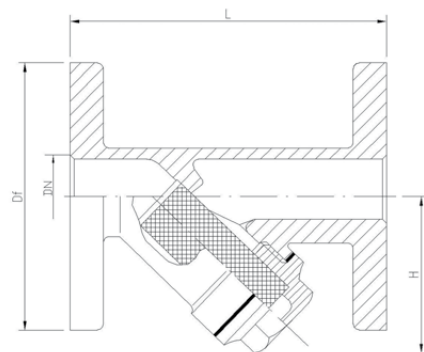
	3-8"	1-2"	3-4"	1"	1"1-4"	1"1-2"	2"	2"1-2"	3"	4"
H (mm)	41	46	59	66	75	88	107	120	151	200
H1 (mm)	55	63	80	90	104	121	148	172	212	275
L (mm)	55	72	80	91	108	123	148	189	226	270
Hole dimension	0,4	0,4	0,4	0,4	0,47	0,47	0,47	0,53	0,53	0,53
Holes x cm ²	262	262	262	262	168	168	168	133	133	133
MESH	45	45	45	45	36	36	36	32	32	32
WEIGHT (Kg)	0,26	0,36	0,66	0,83	1,13	1,65	2,6	4,43	7,34	12
PN	PN32	PN32	PN32	PN32	PN32	PN32	PN32	PN25	PN25	PN25



54517

BRONZE Y STRAINER PN16 FLANGED ENDS

PN16/B 100WSP 200WOG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN 1982
Cap	BRONZE-CC491K UNI EN 1982
Screen	STAINLESS STEEL

	010	015	020	025	032	040	050	065	080	100
Df (PN16)	90	95	105	115	140	150	165	185	200	220
H (mm)	41	46	59	66	75	88	107	120	151	200
L (mm)	100	100	120	120	140	160	190	234	270	310
Hole dimension	0,4	0,4	0,4	0,4	0,47	0,47	0,47	0,53	0,53	0,53
Holes x cm ²	262	262	262	262	168	168	168	133	133	133
MESH	45	45	45	45	36	36	36	32	32	32
WEIGHT (Kg)	1,5	1,6	2,2	2,6	3,9	5	7	11	14,2	23

Plug valves



THREADED PLUG VALVES

49

FLANGED PLUG VALVES

51

■ THREADED VALVES can be manufactured according to the following standards:

ANSI - ASME B1.20.1 - NPT
GAS UNI - ISO228
ISO7/1 RC - RP THREADS

■ FLANGED VALVES can be manufactured according to the following standards:

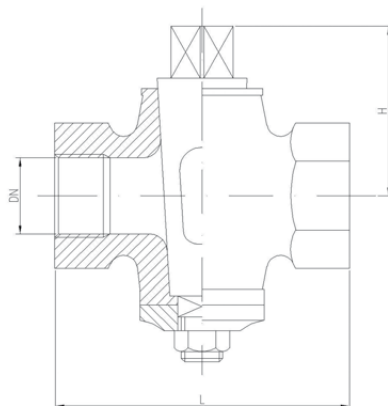
PN16
PN20
B16.24 ASA 150



20002

BRONZE PLUG VALVE 2 WAY PN16 SCREWED ENDS

PN16/B 100WSP 200WOG



Body Plug	STANDARD MATERIALS
	BRONZE-CC491K UNI EN1982 BRONZE-CC491K UNI EN1982

	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	45	52	58	68	68	82	96	107	150	160	195
H (mm)	35	38	42	50	55	65	70	80	100	110	135
SQUARE on Plug dim.	11	14	14	16	18	23	27	28	32	41	50
WEIGHT (Kg)	0,16	0,25	0,33	0,52	0,7	1,2	1,8	2,4	5	6,7	12,2



20905

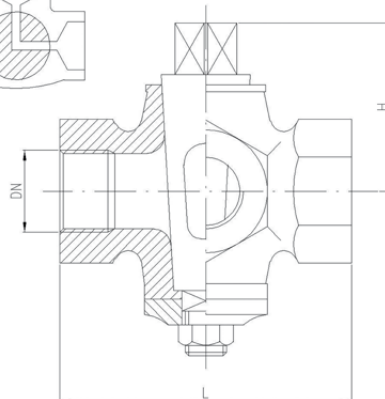
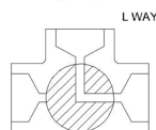
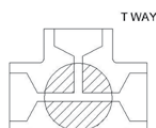
BRONZE PLUG VALVE 3 WAY "TYPE T" PN16 SCREWED ENDS

PN16/B 100WSP 200WOG

20907

PN16/B 100WSP 200WOG

TIPE L



Body Plug	STANDARD MATERIALS
	BRONZE-CC491K UNI EN1982 BRONZE-CC491K UNI EN1982

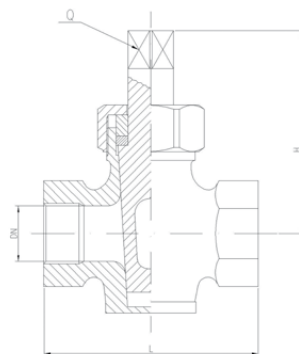
	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"	4"
L (mm)	45	48	60	68	73	93	102	118	148	160	180
H (mm)	35	35	38	50	55	65	70	80	100	110	130
SQUARE on Plug dim.	11	12	14	17	18	24	25	27	32	41	50
WEIGHT (Kg)	0,2	0,22	0,32	0,6	0,8	1,45	1,95	3	5,25	6,8	14



RMA24818

BRONZE PLUG VALVE 2 WAY PN16 SCREWED ENDS

PN16/B 100WSP 200WOG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Plug	BRASS-CW614N UNI EN12164
Gland	BRASS-CW614N UNI EN12164

	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"
H (mm)	60	70	72	80	93	116	125	132	138
L (mm)	52	62	74	84	98	110	126	142	156
Q (mm)	10	12	14	16	18	20	24	26	41
WEIGHT (Kg)	0,28	0,42	0,6	0,95	1,3	2	2,8	4,5	6,4



RMA25721

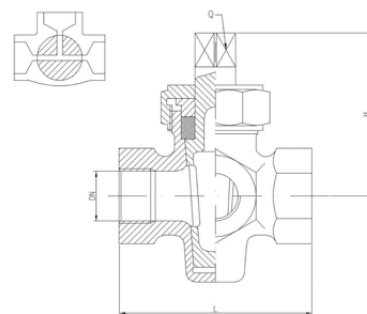
BRONZE PLUG VALVE 3 WAY "TYPE T" PN16 SCREWED ENDS

PN16/B 100WSP 200WOG

RMA25721

PN16/B 100WSP 200WOG

TIPE L



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Plug	BRASS-CW614N UNI EN12164
Gland	BRASS-CW614N UNI EN12164

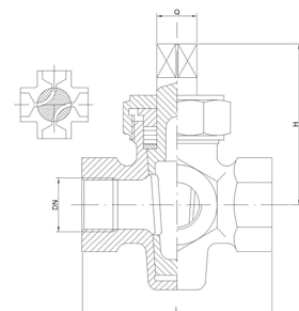
	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1/2	3"
H (mm)	60	70	72	80	93	116	125	132	138
L (mm)	52	62	74	84	98	110	126	142	156
Q (mm)	10	12	14	16	18	20	24	26	34
WEIGHT (Kg)	0,345	0,5	0,7	1	1,5	2,25	3,25	5	6,8



26323

BRONZE PLUG VALVE 4 WAY PN16 SCREWED ENDS

PN16/B 100WSP 200WOG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Plug	BRONZE-CC491K UNI EN1982
Gland	BRONZE-CC491K UNI EN1982

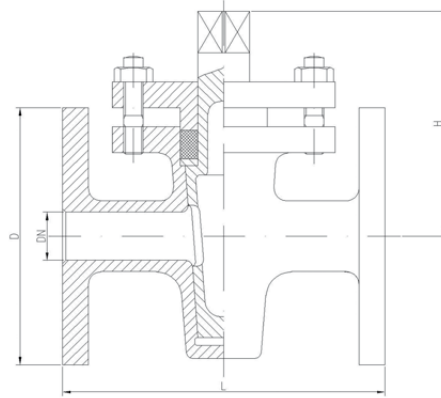
	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"
L (mm)	65	70	75	105	115	145	170	180
H (mm)	60	65	70	90	105	115	120	130
Q (mm)	10	12	14	16	18	24	24	27
WEIGHT (Kg)	0,5	0,65	1,1	2,2	2,9	5,4	8,2	11



28101

BRONZE PLUG VALVE 2 WAY PN16 FLANGED ENDS

PN16/B 100WSP 200WOG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Plug	BRONZE-CC491K UNI EN1982
Gland	BRONZE-CC491K UNI EN1982

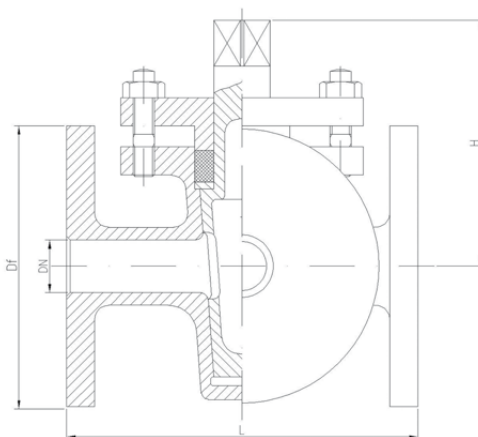
	010	015	020	025	032	040	050	065	080	100
D (mm)	90	95	105	115	140	150	165	185	200	220
L (mm)	65	75	85	100	110	130	150	200	220	270
H (mm)	65	70	80	90	110	130	150	180	200	250
SQUARE on Plug dim.	12	12	16	18	20	24	27	32	32	41
WEIGHT (Kg)	1,3	1,7	2,4	3,1	5,1	7,3	9	17	20	33



28305

BRONZE PLUG VALVE 3 WAY TYPE "L" PN16 FLANGED ENDS

PN16/B 100WSP 200WOG



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Plug	BRONZE-CC491K UNI EN1982
Gland	BRONZE-CC491K UNI EN1982

	010	015	020	025	032	040	050	065	080	100
Df (mm) (PN16)	90	95	105	115	140	150	165	185	200	220
L (mm)	110	120	130	140	170	180	200	220	250	270
H (mm)	65	70	80	90	110	130	150	180	200	250
SQUARE on Plug dim.	12	12	16	18	20	24	27	32	32	41
WEIGHT (Kg)	2	2,5	3,7	4,5	8	10	12	18	25	38

Stopcocks



THREADED STOPCOCKS
COPPER COMPRESSION

53

STOPCOCKS

53

PUSHFIT CONNECTION
STOPCOCKS

54

- THREADED VALVES can be manufactured according to the following standards:

ANSI - ASME B1.20.1 - NPT
GAS UNI - ISO228
ISO7/1 RC - RP THREADS

- Special SEALING MATERIALS are available upon request:

TEFLON
NBR
EPDM

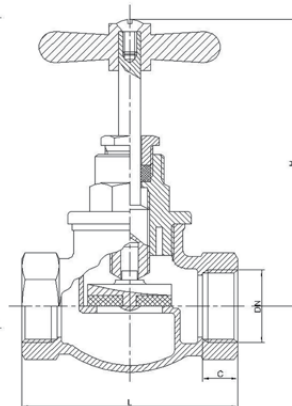
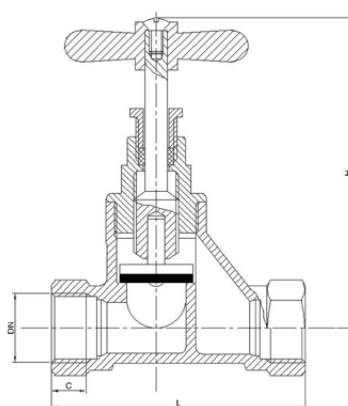


70051

BRONZE STOPCOCK VALVE PN20 FXF PN20

DN015÷020

DN025÷050



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	NBR
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-2"	3-4"	1"	1"1-4	1"1-2	2"
L (mm)	70	86	92	105	113	136
H (mm)	95	116	124	135	160	178
WEIGHT (Kg)	0,388	0,593	1,168	1,525	2,159	3,397

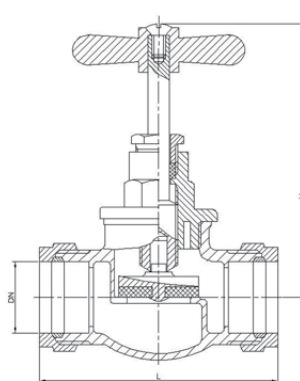
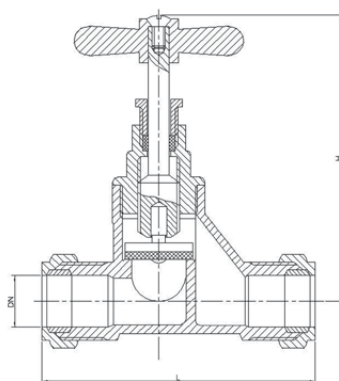


70052

BRONZE STOPCOCK VALVE PN20 COPPER COMPRESSION ENDS PN20

DN015÷020

DN028÷050



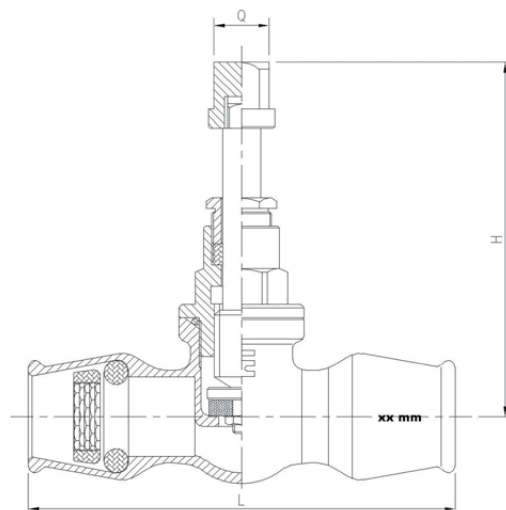
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	NBR
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1-2"	3-4"	1"	1"1-4	1"1-2	2"
L (mm)	82	104	114	125	138	170
H (mm)	95	116	124	135	160	178
WEIGHT (Kg)	0,381	0,619	1,118	1,635	2,338	3,777

70055

BRONZE UNDERGROUND STOPCOCK PN16 WITH PUSHFIT CONNECTION

PN16



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	EPDM 70 SH
Stem	BRONZE-CC491K UNI EN1982
Seat	INTEGRAL SEAT
O-Ring	NBR 50 SH KTW

	1-2"	3-4"	2"
L (mm)	121	147	280
H (mm)	110	123	205
Q (mm)	15,6	15,6	17
CONNECTION	20	25	63
WEIGHT (Kg)	0,627	0,911	7,16

70057

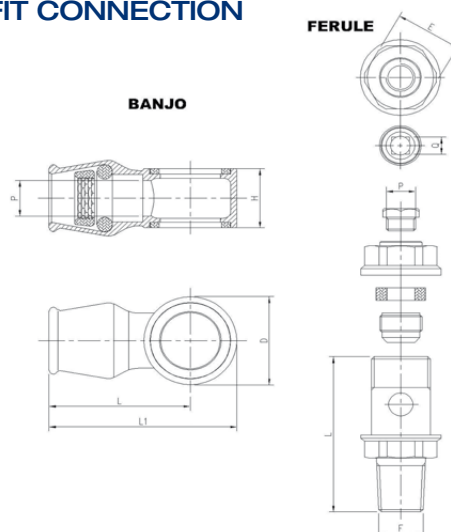
BRONZE FERULE SCREW+BRONZE BANJO WITH PUSHFIT CONNECTION

PN16



70056

PN16
ONLY BANJO



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Disc	BRONZE-CC491K UNI EN1982
O-Ring	NBR 50 SH KTW

	FERULE	
	1-2"	3-4"
L (mm)	72,5	72,5
E (mm)	30	30
Q (mm)	8,1	8,1
P (mm)	1-4"	1-4"
WEIGHT (Kg)	0,29	0,297

	BANJO	
	20 mm	25 mm
L (mm)	63	68,5
L1 (mm)	84	89
D (mm)	41,5	41,5
H (mm)	28,5	28,5
P (mm)	17	19
WEIGHT (Kg)	0,21	0,23

Safety valves



THREADED SAFETY VALVES

56

FLANGED SAFETY VALVES

57

■ THREADED VALVES can be manufactured according to the following standards:

ANSI - ASME B1.20.1 - NPT
GAS UNI - ISO228
ISO7/1 RC - RP THREADS

■ FLANGED VALVES can be manufactured according to the following standards:

PN16
PN20
B16.24 ASA 150

■ Special SEALING MATERIALS are available upon request:

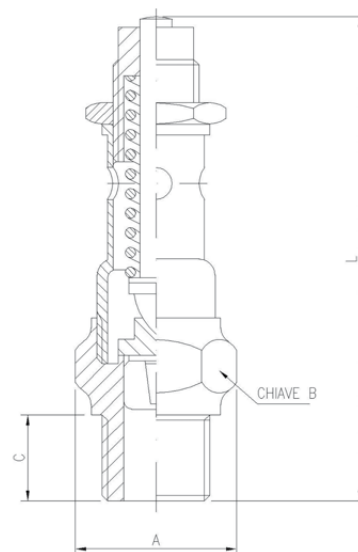
TEFLON
NBR
EPDM



VS190001

BRASS SAFETY VALVE TOP OUTLET PN16 M SCREWED ENDS

PN16



STANDARD MATERIALS	
Body	BRASS-CW617N UNI EN12165
Disc	BRASS-CW617N UNI EN12165
Stem	BRASS-CW614N UNI EN12164
Seat	BRASS-CW617N UNI EN12165

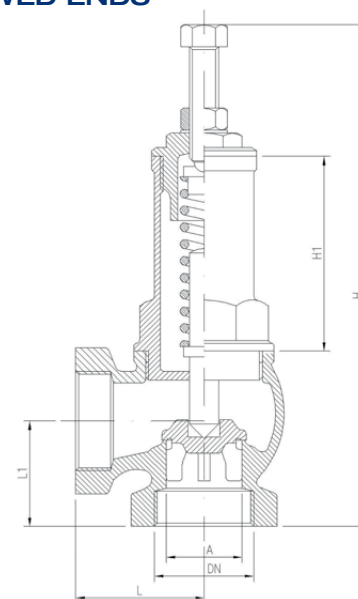
	1-4"	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"
L (mm)	89	89	89	116,5	129	148,5	153	179
A (mm)	30	30	30	43,5	53	68,5	74,5	89
B (mm)	26	26	26	40	49	63	69	82
C (mm)	11,5	11,5	11,5	16	18	23	24,5	25,5



VS190604

BRASS ANGLE SAFETY VALVE SIDE OUTLET PN16 FXF SCREWED ENDS

PN16



STANDARD MATERIALS	
Body	BRASS-CW617N UNI EN12165
Bonnet	BRASS-CW617N UNI EN12165
Disc	BRASS-CW617N UNI EN12165
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

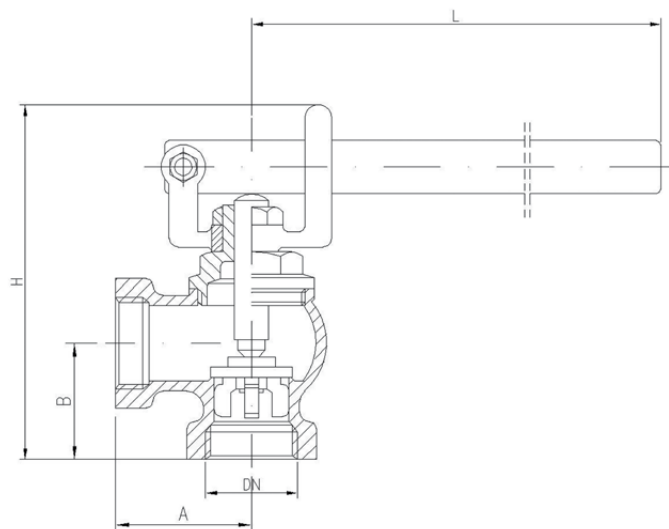
	3-8"	1-2"	3-4"	1"	1"1-4	1"1-2	2"	2"1-2	3"
H (mm)	118	125	149	165	195	212	238	305	335
H1 (mm)	45	45	56	63	78	87	92	100	113
L (mm)	26	34	40	45	54	60	72	87	87,5
L1 (mm)	23,5	28,5	31,5	40	42,5	47	60	74,5	84
A (mm)	10	13	19	25,5	31	38	48	63,5	77



VS191509

**BRASS LEVER AND WEIGHT ANGLE SAFETY VALVE PN16
SIDE OUTLET FXF SCREWED ENDS**

PN16



STANDARD MATERIALS	
Body	BRASS-CW617N UNI EN12165
Bonnet	BRASS-CW617N UNI EN12165
Disc	BRASS-CW617N UNI EN12165
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

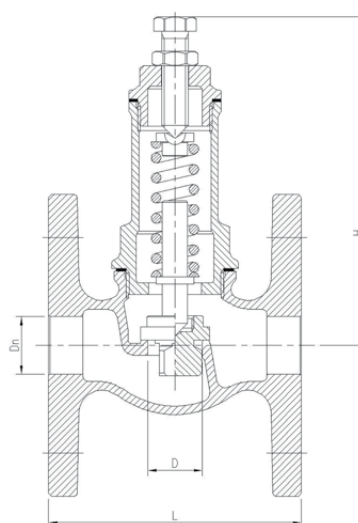
	2"
A (mm)	74
B (mm)	57
L (mm)	560
H (mm)	196



VS190500

**BRONZE STRAIGHT SAFETY VALVE PN16
METAL SEAT FLANGED ENDS**

PN16



STANDARD MATERIALS	
Body	BRONZE CC491K UNI EN1982
Bonnet	BRASS-CW617N UNI EN12165
Disc	BRASS-CW614N UNI EN12164
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	015	020	025	032	040	050	065	080	100
D (mm)	15	19	24,5	31,5	38	48	64	75	96
L (mm)	70	90	99	108	130	147	190	207	220
H (mm)	93	120	137	163	172	192	228	235	297

Fire valves



THREADED FIRE VALVES

59

FLANGED FIRE VALVES

60

■ THREADED VALVES can be manufactured according to the following standards:

ANSI - ASME B1.20.1 - NPT
GAS UNI - ISO228
ISO7/1 RC - RP THREADS

■ FLANGED VALVES can be manufactured according to the following standards:

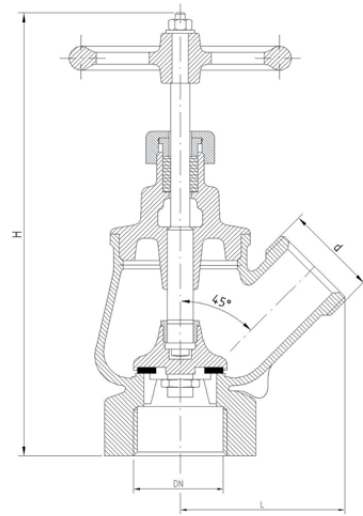
PN16
PN20
B16.24 ASA 150



40001

BRONZE FIRE VALVE PN16 FEMALE WITH UNI OUTLET CONNECTION

PN16



STANDARD MATERIALS

Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	NBR
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

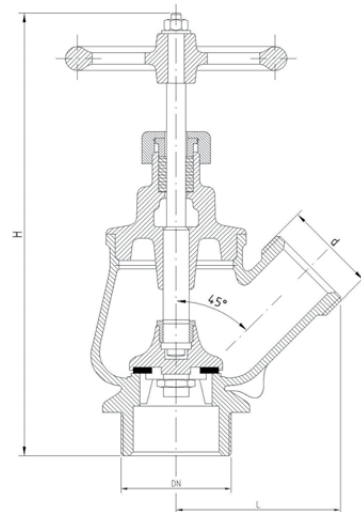
	1"1-2	2"1-2
L (mm)	97	135
H (mm)	165	250
WEIGHT (Kg)	1,35	4,5
D CONNECTION	UNI 45	UNI 70



40302

BRONZE FIRE VALVE PN16 MALE WITH UNI OUTLET CONNECTION

PN16



STANDARD MATERIALS

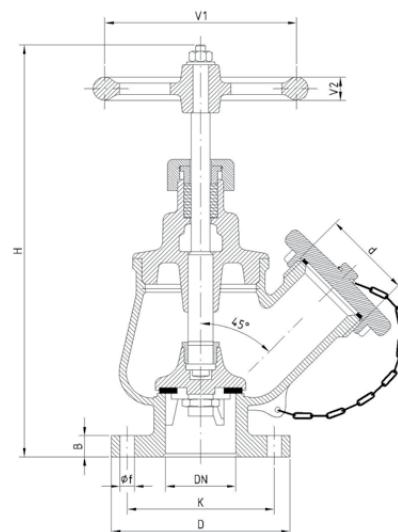
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	NBR
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	1"1-2	2"1-2
L (mm)	97	135
H (mm)	165	250
WEIGHT (Kg)	1,35	4,5
D (mm)	UNI 45	UNI 70



40002

BRONZE FIRE VALVE PN16 FLANGED END WITH UNI OUTLET CONNECTION PN16



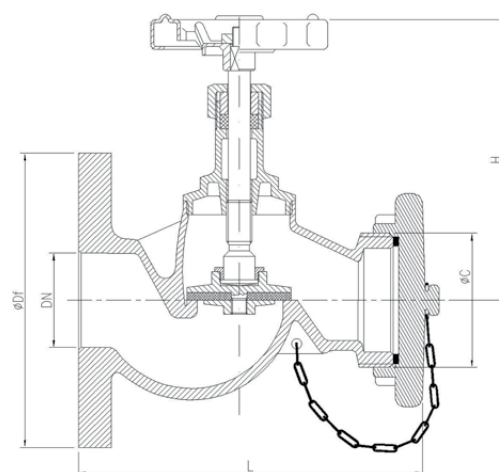
STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	NBR
Stem	STAINLESS STEEL AISI 316
Seat	INTEGRAL SEAT

	3"
D (mm)	191
B (mm)	16
d (mm)	85-UNI 70
H (open) (mm)	410
K (mm)	152
Ø F (mm)	19
N° holes	4
V1 (mm)	150
V2 (mm)	20



45119

BRONZE STRAIGHT FIRE VALVE PN16 FLANGED END WITH UNI OUTLET CONNECTION PN16



STANDARD MATERIALS	
Body	BRONZE-CC491K UNI EN1982
Bonnet	BRONZE-CC491K UNI EN1982
Disc	NBR
Stem	BRASS-CW614N UNI EN12164
Seat	INTEGRAL SEAT

	065
C (mm)	UNI 70
Df (mm)(PN16)	285
H (mm)	240
L (mm)	186
WEIGHT (Kg)	6,7

Level indicators



■ THREADED VALVES can be manufactured according to the following standards:

ANSI - ASME B1.20.1 - NPT

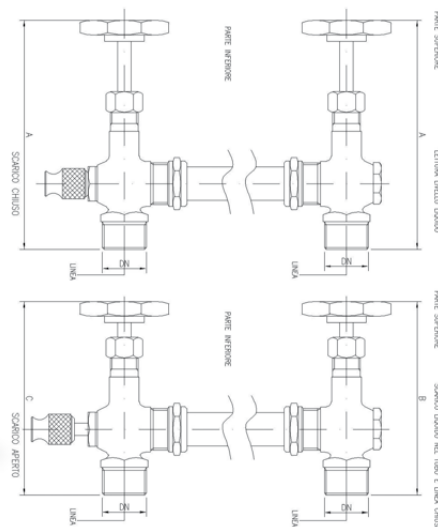
GAS UNI - ISO228

ISO7/1 RC - RP THREADS

INL61506

BRASS LEVEL INDICATOR WITH DRAIN MALE SCREWED ENDS

PN16



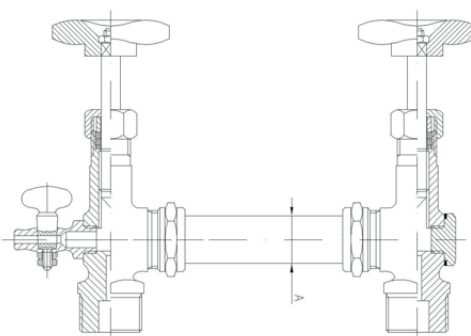
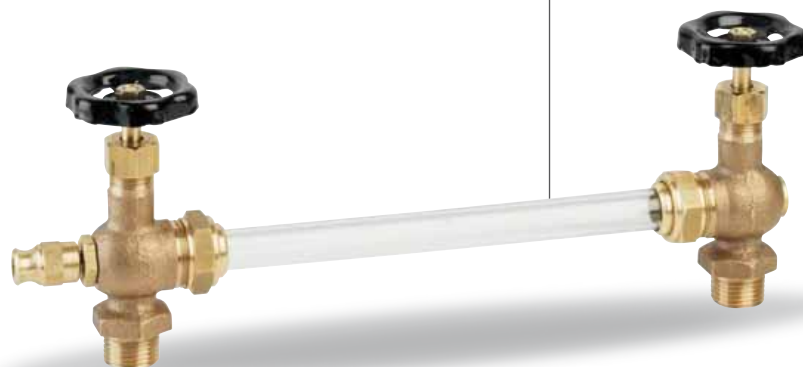
Body STANDARD MATERIALS
BRASS-CW617N UNI EN12165

	1-4"PS	1-4"PI	3-8"PS	3-8"PI	1-2"PS	1-2"PI
A (mm)	122	122	122	122	126	126
B (mm)	100,5		100,5		104,5	
C (mm)		103,5		103,5		107,5
WEIGHT (Kg)	0,264	0,299	0,265	0,301	0,293	0,337

61506

BRONZE LEVEL INDICATOR WITH DRAIN MALE SCREWED ENDS

PN16



Body STANDARD MATERIALS
BRONZE-CC491K UNI EN1982

	1-4"	3-8"	1-2"
A (mm)	10	10/13	13/14/16

Pressure reducing valves





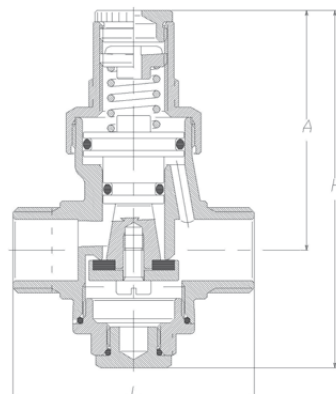
RIDMM

BRASS WATER PRESSURE REDUCING VALVE PN10 MXM

PN10

STANDARD MATERIALS	
Body	BRASS-CW617 UNI EN12165
Cap	BRASS-CW617 UNI EN12165
Disc	EPP
Seat	BRASS-CW614N UNI EN12164

	1-2"	3-4"
L (mm)	59	63
H (mm)	88	88
A (mm)	59	59



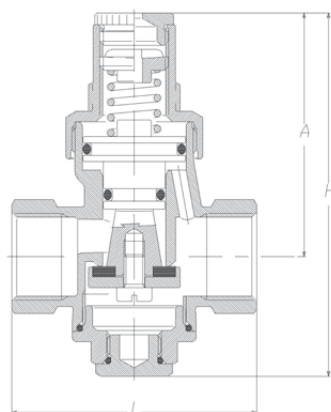
RIDFF

BRASS WATER PRESSURE REDUCING VALVE PN10 FXF

PN10

STANDARD MATERIALS	
Body	BRASS-CW617 UNI EN12165
Cap	BRASS-CW617 UNI EN12165
Disc	EPP
Seat	BRASS-CW614N UNI EN12164

	1-2"	3-4"
L (mm)	59	63
H (mm)	88	88
A (mm)	59	59



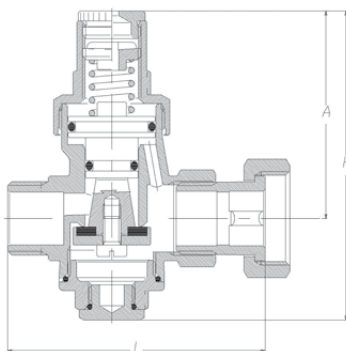
RIDMF

BRASS WATER PRESSURE REDUCING VALVE PN10 MXF WITH CONNECTION

PN10

STANDARD MATERIALS	
Body	BRASS-CW617 UNI EN12165
Cap	BRASS-CW617 UNI EN12165
Disc	EPP
Seat	BRASS-CW614N UNI EN12164

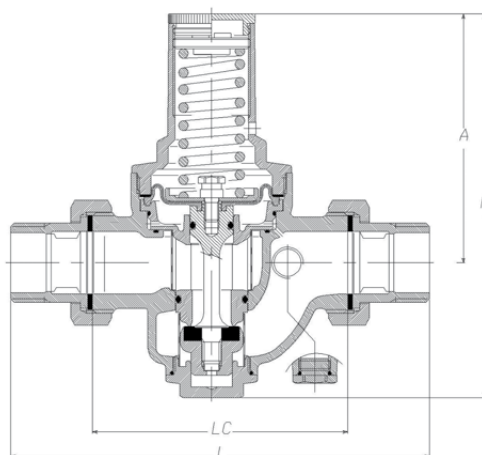
	1-2"	3-4"
G1	3/4"	3/4"
L (mm)	73	77
H (mm)	88	88
A (mm)	59	59





RIDP20MM

**BRASS WATER PRESSURE REDUCING VALVE
PN20 FXF WITH CONNECTIONS AND WITH STRAINER**
PN20



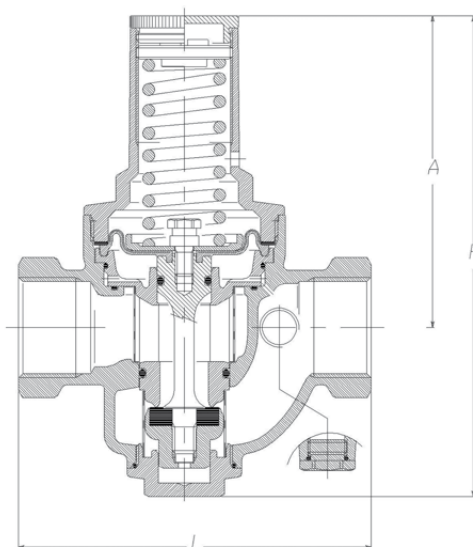
STANDARD MATERIALS	
Body	BRASS-CB753S UNI EN1982
Cap	BRASS-CB753S UNI EN1982
Disc	NBR
Seat	ACETAL COPOLYMER
Screen	INOX

	1-2"	3-4"	1"	1"1-4	1"1-2	2"
L (mm)	140	149	174	204	248	272
LC (mm)	84	88	106	124	152	158
H (mm)	126	126	159	200	243	247
A (mm)	78	78	103	134	163	164



RIDP20FF

**BRASS WATER PRESSURE REDUCING VALVE
PN20 FXF WITH STRAINER**
PN20



STANDARD MATERIALS	
Body	BRASS-CB753S UNI EN1982
Cap	BRASS-CB753S UNI EN1982
Disc	NBR
Seat	INOX
Screen	INOX

	1-2"	3-4"	1"	1"1-4	1"1-2	2"
L (mm)	87	90	117	154	182	186
H (mm)	126	126	159	200	243	247
A (mm)	78	78	103	134	163	164

LIQUID	Series 400	AlSi304	AlSi316	MONEL	CAST IRON	BRONZE	COPPER	NBR	EPDM	NICKEL	VITON
Butile acetate		1	1			1					
Amyl acetate			1	1		2					
Ethyl acetate		2	1		3		2		2		
Acetylene		1	1	1							
Vinegar	1	1	1			2		2	1		1
Acetone		1	1	1	1	1				1	
Acetic acid	1	1	1		4	1			1		
Glacial acetic acid	2	3	1			4					
Boric acid		1	1	1	4	2				1	
Bromic acid		4	4	3	4	3				3	
Hydrocyanic acid		1	1	1	3						
Citric acid		2	1		3	3		1	1		1
Hydrochloric acid (HCl + H ₂ O)		1	1		2						1
Hydrochloric acid (HCl)		4	4								1
Chloroacetic acid		4	4		4	4				2	
Chlorosulphonic acid		2		2							
Chromic acid			1	2		4					
Fluoric acid		4	4		4	2					1
Fluosilicic acid		4	4	3	4						
Formic acid		4	3		4	3			1		
Phosphoric acid (85% 80°C)		2	3			2			1		1
Phosphoric acid (25% < 80°C)	2	1	1			3			1		1
Phosphoric acid (60% < 20°C)	1	1	1		4	2			1		1
Hydrofluoric acid											
Lactic acid cold		3	2	1	4	3				1	
Nitric acid		1	1		4	4			2		1
Oleic acid		1	1	1		4				1	
Oxalic acid		2	2		4	2		3	1		1
Palmitic acid		1	1	1	1	1					
Sulfamic acid											
Sulfonic acid											
Sulfuric acid		4	2		4	2					
Sulfurous acid											
Stearic acid		1	1	1	3	3				1	
Tannic acid		2	2	1		1				1	
Tartaric acid		2	1					1	2		1
Acid mineral water with oxidising salts		1	1	4	4	3				4	
Deionised water									1		
Demineralised water		2	1		3	4	4		1		1
Desalinated water		1	1		3			1	1		1
Distilled water											
Ionised water		1	1		3	3	3	1	1		
Oxygenated water		1	1					3	3		1
Salinated turpentine		2	2		3			1	1		1
Saline water		2	2		4						1
Water + abrasives		1	1		2	2		1	1		1
Ethyl alcohol		1	1					2	1		3
Isopropyl alcohol		1	1		1	1		2	1		1
Amide									1		
Ammoniac (NH ₄ OH)		2	2		2			1	1		1
Ammoniac (NH ₃)		2	2		2				1		
Carbonic anhydride liq.		1	1		3			1	2		2
Carbonic anhydride +H ₂ O		1	1		3			2	1		1
Maleic anhydride		2	1		3						1
Aniline, aniline oil		1	1	1	1	4					
Asphalts		1	1	1	1	1					
Photo developing baths		2	1						1		
Photo fixing baths		2	1						2		
Nickeling bath		2	1						1		
Gasoline and water	1	1	1			1		1			2
Ammonium bicarbonate									1		1
Sodium bicarbonate		3	3	1	4	2				1	
Calcium bisulfite			1	4	4	4					
Carbon bisulfite		1	1	1	1	4					
Chlorine dioxide		4	4		4	4					1
Beer								1	1		1
Wine lees fertiliser								2	1		3
Potassium bromide											
Butane			1	1	1						
Butanol, butilic alcohol				1	1	1					
Butyrolactone		1	1		2			3	3		3
Sodium carbonate								1	1		
Tar		1			1						
Kerosene		1	1	1	1	1					
Potassium cyanide								1	1		1
Pure active chlorine (8ATE)		2	2		2	2					1
Calcium chloride		2	3		2		2	1	1		1
Magnesium chloride	2	2	2					1	1		1
Potassium chloride								1	1		1
Sodium chloride		2	2		4	3		1	1		1
Hydrogen chloride											1
Ethyl chloride											2
Ammonium chloride		2	2	2	3	4				2	
Aluminium chloride		4	4	1	2	2					
Calcium chloride		3	3	2	1	1					
Nickel chloride		2	2	3		4					
Copper chloride		4	4	2	2	3					
Methyl chloride				1	1	1					
Zinc chloride		4	4	1	3	4					
Sulfur chloride			3	3	3	4					
Ferric chloride		4	4	4	4	4				4	
Stannous chloride		3	3	4		4				4	
Mercuric chloride		4	4	4	3	4				4	
Barium chloride		2	1							1	
Creosote, timber		1	1	1	1	1					
Liquid detergent									1		2
Dowtherm					1	4					
Hexane		1	1		1	1		1	4		1
Ethers				1	1	1					
Ethyl benzene		1	1		1	1					1
Ethyl cellulose				1						1	
Phenol											1
Phenol pentachloride		1	1		1	1					
Aluminium fluoride		3	3								
Formaldehyde		1	2		4		2		2		
Ferrious phosphates		1	1		2						1
Calcium phosphate		2	2					1	1		1
Trisodium phosphate			1	1	1	3				1	
Tribasic ammonium phosphate		1	1	1	1	2				1	
Furaldehyde		1	1	1	1	1					
Freon 111		1	1								2
Freon 113 (R113)	1	1	1		1	1		1			2
Freon 12		2	1		1				2		1
Blast furnace gas		3		3	1	4					
Carbon furnace gas			1	1	1	1					

LIQUID	Series 400	AISI304	AISI316	MONEL	CAST IRON	BRONZE	COPPER	NBR	EPDM	NICKEL	VITON
Natural gas		1	1	1	1	3					
Gasogene				1	1	3					
Diesel											1
White diesel	1	1	1		2			3	3		1
Glycerine								1	1		1
Diethylene glycol		1	1					1	1		1
Propylene glycol	1	1	1						1		
Triethylene glycol (Radiator fluid)	1	1	1						1		2
Glucose		1	1	1	1	1					
Calcium hydrate/hydroxide		1	1			1		1	1		1
Sodium hydroxide											
Potassium hydroxide		2	2	1	3	4				1	
Calcium hypochlorite		3	3	3	3	3					
Sodium hypochlorite		4	4	3	4	3				3	
Isocyanate											2
Kerosene		1	1		1	1		3	2		1
Aviation kerosene		1	1		1	1		3	2		1
Kerosene + foaming agents +H ₂ O		1	1		1						1
Varnishes		1	1	1	3	3					
Varnish solutions		1	1	1	3	3					
Lactate		1	2		3	3		1	1		1
Calcium lactate		2	1		2				1		
Methylene chloride		2	1								2
Mercury		1	1	1	1	4					
Sodium metaphosphate		1		1		3				1	
1-methyl-2-pyrrolidone	1	2	1		-	3	-	4	4		4
Ammonium nitrate		1	1	3	1	4					
Sodium nitrate		2	1	1	1	2				1	
Nitrobenzene			1		1	2					
Cutting oil + H ₂ O	1	1	1		1			3	3		1
Combustible oil		1		1	1	3					
Linseed oil		1	1		1			1	4		1
Castor oil		1		1	1						
Diathermic oil	1	1	1		1	4					1
Mineral oil	1	1	1		1						1
Oil SEA 10W/30	1	1	1								1
Oil SEA 20W 50HD	1	1	1								1
Cerium oxide + water											
Carbon oxide warm		1	1		1	4					
Magnesium oxide		1	1	1	1	4				1	
Frozen oxygen		1	1	1	1	1					
Ozone + water											
P3 ferrofos 8579 (Henkel)	1	1	1		1						1
Sodium perborate		1	1	1	3					1	
Perchloroethylene /ethyl		2	2			3					1
Percolate											
Hydrogen peroxide											1
Sodium peroxide		1	1	1	3					1	
Crude oil		1	1	3	1	3				3	
Polyol		1	1						1		2
Potassium nitrate											
Perfume		1	1						1		
Propane		1	1	1	1						
R ethanol (ethane)		1	1		1			2	1		2
Blood + water		1	1		1	1	1	1	1		1
Brine		1	1		3	1	1				
Pure liquid soap		1	1		4	4		2	1		2
Sodium silicate		1	1		1	1		1	1		1
Whey		1	1		4	-	-	4	4		1
Caustic soda + H ₂ O		2	1		2			1	1		2
Soda (5%) + nitric acid (5%)											
Sodium hypochlorite		3	2		4			2	2		1
Sodium sulfite		1	1					1	1		1
Ammonium sulfate		1	1	1	1	2					
Aluminium sulfate	2	1	1		4	2		1	1		1
Magnesium sulfate		1	1	1	1	1					
Calcium sulfate		1	1						1		
Ferrous sulfate		2	2		4				1		
Copper sulfate		2	2		4	3		1	1		1
Sodium sulfate		1	1	1	1	1				1	
Zinc sulfate		1	1	1	3	4					
Potassium sulfate		2	2	1	1	1				1	
Bicarbonate sulfate		1	1	2	1	4				2	
Barium sulfate		1	1	1		4					
Soap solutions		1		1	1	3					
Solvents with nitrus (explos.)		1	1		1			3	3		3
Concentrated orange juice								1	1		1
Tropical orange juice								1	1		1
Lemon juice											
Concentrated apple juice											
Concentrated cranberry juice											
Tomato juice											
Grapefruit juice								1	1		1
Concentrated grape juice											
Tensides + water		1	1								1
Tetrachlorethylene											
Carbon tetrachloride		3	3	1	3	3					
Aniline tincture		1		1							
Toluene				1	1						
Turpentine		1	1	1		3					
Triacetin + veg. Carbon		2	1			4			2		
Trichloroethylene		3	3	1	3	3					
Tricloroethane (solution)		1	1								1
Trieline/acetone/toluene		2	1		2			4	3		3
Trieline/ethylene trichloride		1	2		2			4	4		1
Triethyle amina		1	1					1	4		4
Urea									2		
Steam below 260 °C		1	1	1	1	1				1	
Steam from 260°C to 530°C		1	1	3	1	3				3	
Vaseline								1			1
White vaseline 206903											
Vaseline F3 Codex											
Wine	1	1	1		1	1		1	1		1
Vodka		1	1					2	1		3
Whiskey		1	1					1	1		1
Yoghurt								1			
Sulphur		2	2	4	1	4				4	
Sugar + Water 65° Brix		1	1					1	1		1

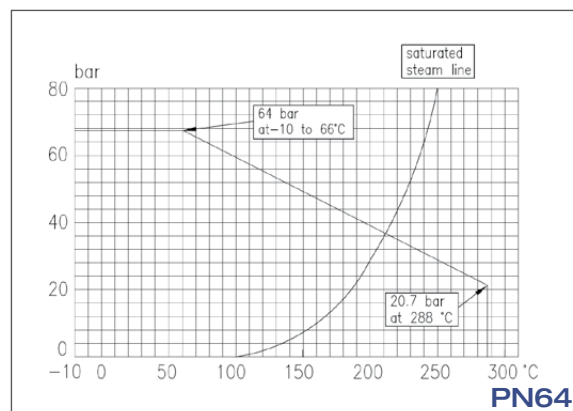
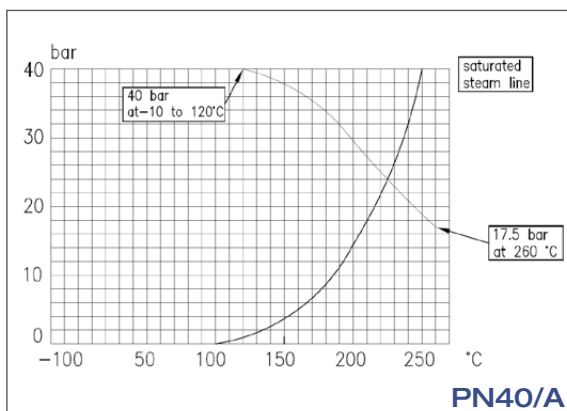
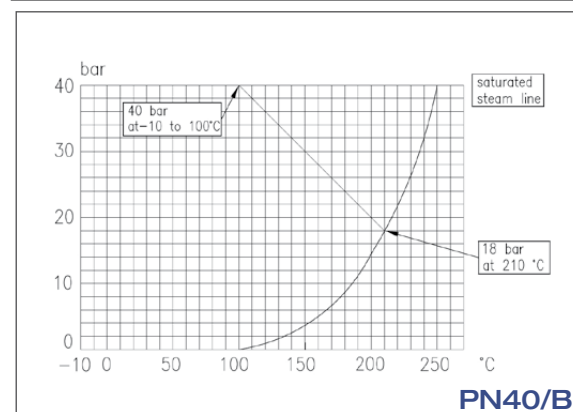
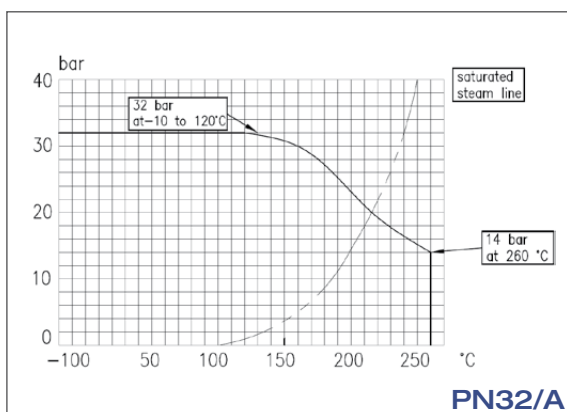
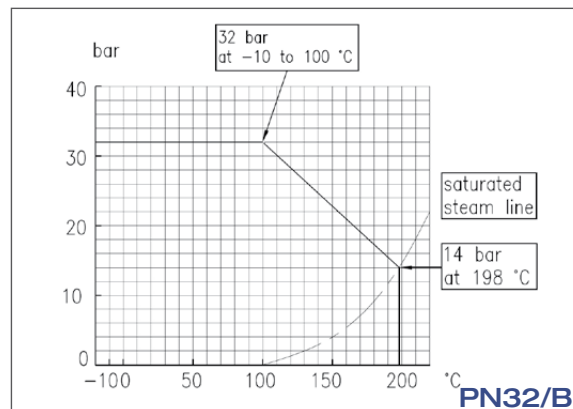
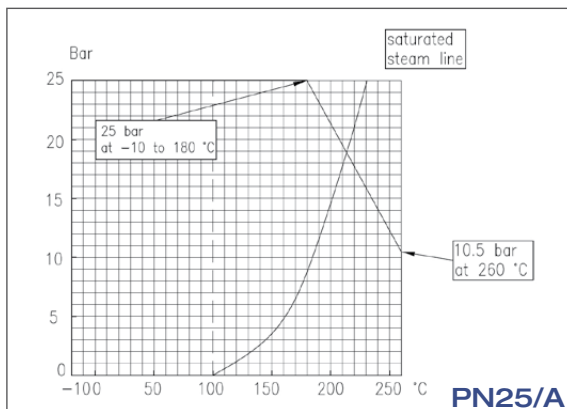
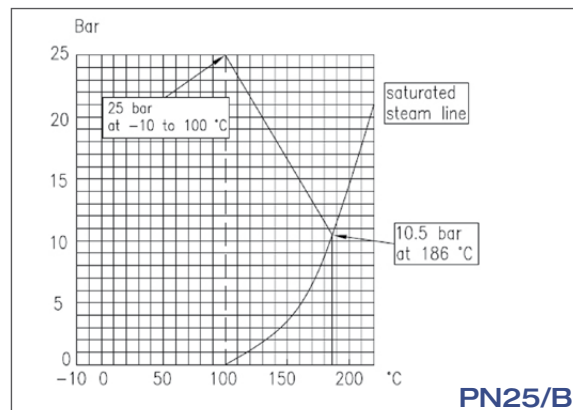
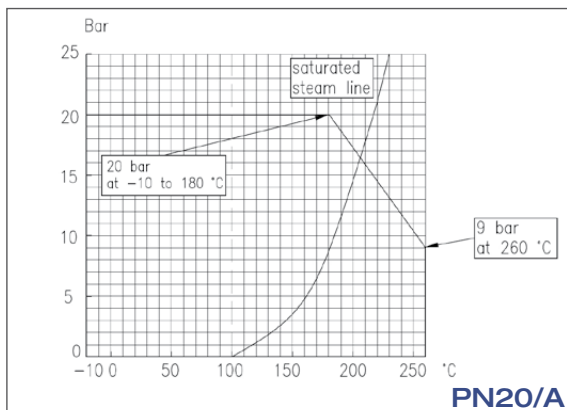
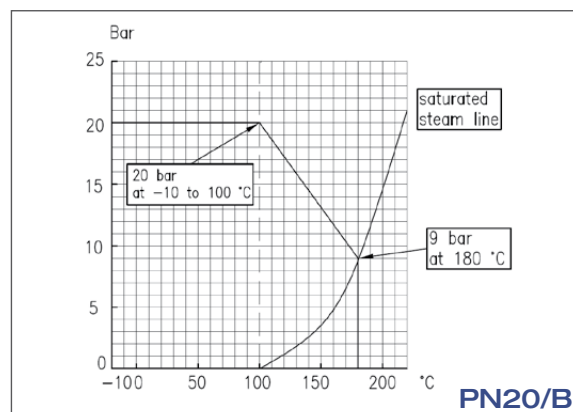
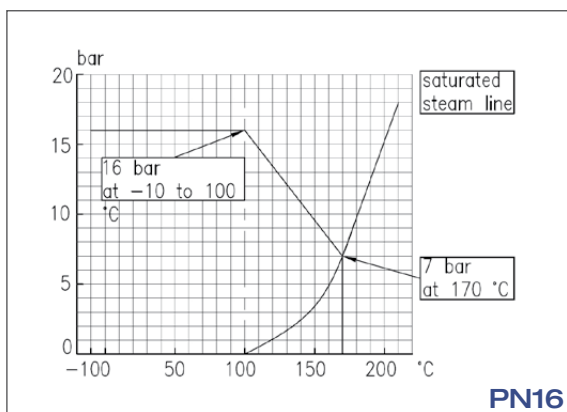
LEGEND

INDEX OF METAL RESISTANCE TO CORROSION

Class Resistance

Corrosion

- 1 optimum
- 2 sufficient
- 3 insufficient
- 4 poor



FE CONTI

MALPENSA ✈
✈ Linate
✈ CASELLE

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