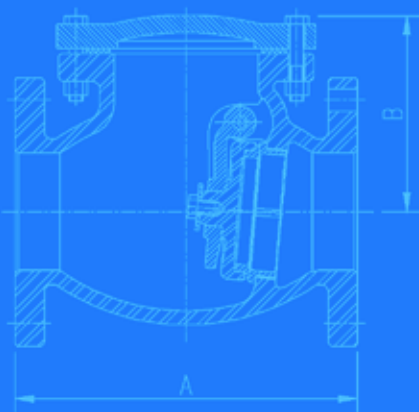
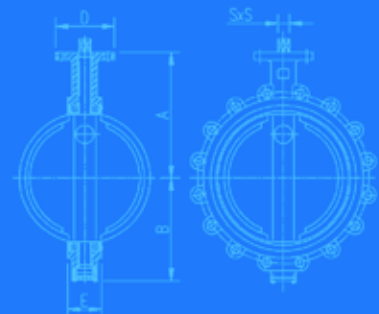
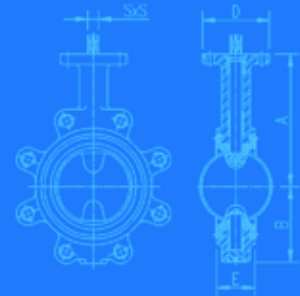
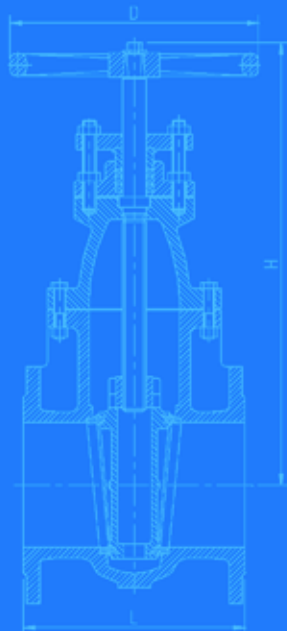


# **Fivalco<sup>®</sup> HVAC Catalogue**

**Iron And Bronze Valves 12/2009**



## OS&Y Gate valve

### MSS SP-70 Class 125 /BS 5150 PN16 Type Flanged Ends

Fig. 3193-Brass Stem.

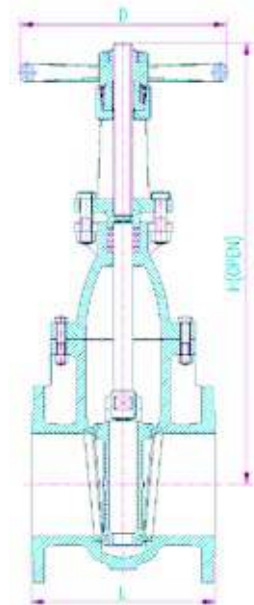
Fig. 3194-SS Stem.

- ◆ **Valve Standards:** Complies with BS 5150 (EN 1171) & MSS SP-70.
- ◆ **Working Pressure and Temperature:**  
 Size 50 to 300, working pressure PN16/Class125  
 Size 2"-12", working pressure 125WSP/200WOG  
 Temperature from -10°C to 120°C  
 Suitable Media: Water, Oil, Gas.
- ◆ **Flange Types**  
 EN1092-2 PN10/PN16, ANSI B16.1 Class125,  
 BS10 Table D/E, JIS 10K/16K.
- ◆ **Operator:** Handwheel or gear operator.



#### ◆ Materials Specifications

Part Name	Material	EN Spec.	ASTM Spec.
<b>Body</b>	Ductile Iron	EN-GJS-500-7	A536 65-45-12
<b>Body Trim</b>	Bronze	EN1982 CC491K	B62 C83600
<b>Wedge Trim</b>	Bronze	EN1982 CC491K	B62 C83600
<b>Wedge</b>	Ductile Iron	EN-GJS-500-7	A536 65-45-12
<b>Stem Nut</b>	Bronze	EN1982 CC491K	B62 C83600
<b>Stem</b>	SS	BS970 420S37	AISI 410
<b>Bonnet</b>	Ductile Iron	EN-GJS-500-7	A536 65-45-12
<b>Gasket</b>	EPDM	Commercial	Commercial
<b>Yoke</b>	Ductile Iron	EN-GJS-500-7	A536 65-45-12
<b>Packing</b>	Graphite	Non-asbestos	Non-asbestos
<b>Handwheel</b>	Ductile Iron	EN-GJS-500-7	A536 65-45-12



#### ◆ Dimensions (mm)

Size	50/2"	65/2.5"	80/3"	100/4"	125/5"	150/6"	200/8"	250/10"	300/12"	
<b>L</b>	178	191	203	229	254	267	292	330	356	
<b>H(Open)</b>	405	415	486	632	710	842	1100	1228	1373	
<b>D</b>	<b>BS</b>	190	190	190	305	305	305	305	405	405
	<b>ANSI</b>	178	178	190	250	307	300	356	400	457

#### Notes:

1. Conforms to BS5150, MSS SP-70.
2. Flanged machined and drilled to BS4504 PN16 or ANSI B16.1 125#, other flange types are available.
3. Design & materials are subject to change without notice.

## NRS Gate valve

### MSS SP-70 Class 125 /BS 5150 PN16 Type Flanged Ends

Fig. 3183-Brass Stem.

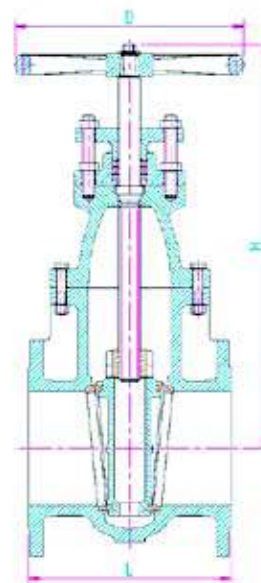
Fig. 3184-SS Stem.

- ◆ **Valve Standards:** Complies with BS 5150 (EN 1171) & MSS SP-70.
- ◆ **Working Pressure and Temperature:**  
 Size 50 to 300, working pressure PN16/Class125  
 Size 2"-12", working pressure 125WSP/200WOG  
 Temperature from -10°C to 120°C  
 Suitable Media: Water , Oil , Gas
- ◆ **Flange Types**  
 EN1092-2 PN10/PN16, ANSI B16.1 Class125,  
 BS10 Table D/E, JIS 10K/16K.
- ◆ **Operator:** Handwheel or gear operator.



#### ◆ Materials Specifications

Part Name	Material	EN Spec.	ASTM Spec.
<b>Body</b>	Ductile Iron	EN-GJS-500-7	A536 65-45-12
<b>Body Trim</b>	Bronze	EN1982 CC491K	B62 C83600
<b>Wedge Trim</b>	Bronze	EN1982 CC491K	B62 C83600
<b>Wedge</b>	Ductile Iron	EN-GJS-500-7	A536 65-45-12
<b>Wedge Nut</b>	Bronze	EN1982 CC491K	B62 C83600
<b>Stem</b>	SS	BS970 420S37	AISI 410
<b>Bonnet</b>	Ductile Iron	EN-GJS-500-7	A536 65-45-12
<b>Gasket/O-Ring</b>	EPDM	Commercial	Commercial
<b>Gland</b>	Ductile Iron	EN-GJS-500-7	A536 65-45-12
<b>Packing Housin</b>	Ductile Iron	EN-GJS-500-7	A536 65-45-12
<b>Packing</b>	Graphite	Non-asbestos	Non-asbestos
<b>Handwheel</b>	Ductile Iron	EN-GJS-500-7	A536 65-45-12



#### ◆ Dimensions (mm)

Size	50/2"	65/2.5"	80/3"	100/4"	125/5"	150/6"	200/8"	250/10"	300/12"
<b>L</b>	178	191	203	229	254	267	292	330	356
<b>H(Open)</b>	270	290	320	355	400	450	610	760	870
<b>D</b>	<b>BS</b>	190	190	190	305	305	305	405	405
	<b>ANSI</b>	178	178	190	250	307	300	356	457

#### Notes:

1. Conforms to BS5150, MSS SP-70.
2. Flanged machined and drilled to BS4504 PN16 or ANSI B16.1 125#, other flange types are available.
3. Design & materials are subject to change without notice.

## OS&Y Gate Valve

### PN16/PN25/Class125/Class250

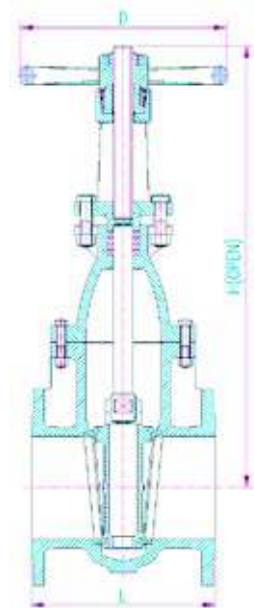
Fig. 3113-Brass Stem.

Fig. 3114-SS Stem.

- ◆ **Valve Standards:** Complies with BS 5150 (EN 1171) & MSS SP-70.
- ◆ **Working Pressure and Temperature**  
 Size 50 to 600, working pressure PN16/Class125.  
 Size 50 to 300, working pressure PN25/Class250.  
 Temperature from -10°C to 120°C.
- ◆ **Flange Types**  
 EN1092-2 PN10/PN16/PN25, ANSI B16.1 Class125,  
 ANSI B16.2 Class250, BS10 Table D/E, JIS 10K/16K.
- ◆ **Operator:** Handwheel or gear operator.
- ◆ **Materials Specifications**



Part Name		Material	EN Spec.	ASTM Spec.
Body	PN16 / Class125	Cast Iron	EN-JL1040	A126 Class B
	PN25 / Class 250	Ductile Iron	EN-JS1050	A536 65-45-12
Body Trim		Bronze	EN1982 CC491K	B62 C83600
Wedge Trim		Bronze	EN1982 CC491K	B62 C83600
Wedge	PN16 / Class125	Cast Iron	EN-JL1040	A126 Class B
	PN25 / Class 250	Ductile Iron	EN-JS1050	A536 65-45-12
Stem Nut		Bronze	EN1982 CC491K	B62 C83600
Stem		Brass	CuZn39Pb3	B16 C36000
		Stainless Steel	BS970 420S37	AISI 420
Bonnet	PN16 / Class125	Cast Iron	EN-JL1040	A126 Class B
	PN25 / Class 250	Ductile Iron	EN-JS1050	A536 65-45-12
Gasket		Graphite	Non-asbestos	Non-asbestos
Yoke	PN16 / Class125	Cast Iron	EN-JL1040	A126 Class B
	PN25 / Class 250	Ductile Iron	EN-JS1050	A536 65-45-12
Packing		Graphite	Non-asbestos	Non-asbestos
Hand-wheel	PN16 / Class125	Cast Iron	EN-JL1040	A126 Class B
	PN25 / Class 250	Ductile Iron	EN-JS1050	A536 65-45-12



#### ◆ Dimensions (mm)

Size	50/2"	65/2.5"	80/3"	100/4"	125/5"	150/6"	200/8"	250/10"	300/12"	350/14"	400/16"	450/18"	500/20"	600/24"
<b>L</b>	178	191	203	229	254	267	292	330	356	381	406	432	457	508
<b>H(Open)</b>	405	415	486	632	710	842	1100	1228	1373	1595	1900	2210	2600	3040
<b>D</b>	178	178	190	250	300	300	356	400	457	508	558	610	610	762

## NRS Gate Valve

### PN16/PN25/Class125/Class250

Fig. 3123-Brass Stem.

Fig. 3124-SS Stem.

◆ **Valve Standards:** Complies with BS 5150 (EN 1171) & MSS SP-70.

◆ **Working Pressure and Temperature**

Size 50 to 600, working pressure PN16/Class125.

Size 50 to 300, working pressure PN25/Class250.

Temperature from -10°C to 120°C.

◆ **Flange Types**

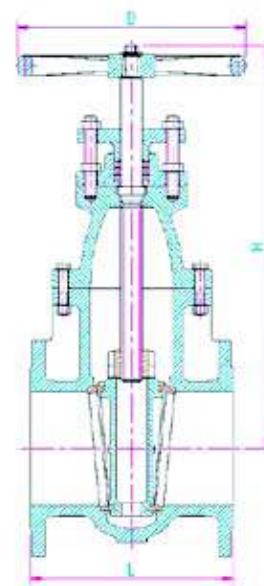
EN1092-2 PN10/PN16/PN25, ANSI B16.1 Class125,

ANSI B16.2 Class250, BS10 Table D/E, JIS 10K/16K.

◆ **Operator:** Handwheel or gear operator.

◆ **Materials Specifications**

Part Name		Material	EN Spec.	ASTM Spec.
Body	PN16 / Class125	Cast Iron	EN-JL1040	A126 Class B
	PN25 / Class 250	Ductile Iron	EN-JS1050	A536 65-45-12
Body Trim		Bronze	EN1982 CC491K	B62 C83600
Wedge Trim		Bronze	EN1982 CC491K	B62 C83600
Wedge	PN16 / Class125	Cast Iron	EN-JL1040	A126 Class B
	PN25 / Class 250	Ductile Iron	EN-JS1050	A536 65-45-12
Stem Nut		Bronze	EN1982 CC491K	B62 C83600
Stem		Brass	CuZn39Pb3	B16 C36000
		Stainless Steel	BS970 420S37	AISI 420
Bonnet	PN16 / Class125	Cast Iron	EN-JL1040	A126 Class B
	PN25 / Class 250	Ductile Iron	EN-JS1050	A536 65-45-12
Gasket		Graphite	Non-asbestos	Non-asbestos
Packing		Graphite	Non-asbestos	Non-asbestos
Hand-wheel	PN16 / Class125	Cast Iron	EN-JL1040	A126 Class B
	PN25 / Class 250	Ductile Iron	EN-JS1050	A536 65-45-12



◆ **Dimensions (mm)**

Size	50/2"	65/2.5"	80/3"	100/4"	125/5"	150/6"	200/8"	250/10"	300/12"	350/14"	400/16"	450/18"	500/20"	600/24"
L	178	191	203	229	254	267	292	330	356	381	406	432	457	508
H	327	322	340	420	477	542	668	750	835	1015	1120	1210	1250	1390
D	178	178	190	250	300	300	356	400	457	508	558	610	610	762

## NRS Gate Valve

### PN10

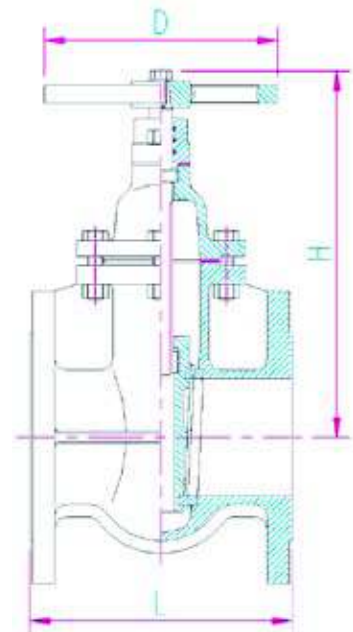
Fig. 3126

- ◆ **Valve Standard:** Complies with DIN3352.
- ◆ **Face to Face:** DIN3202 F4 series.
- ◆ **Working Pressure and Temperature**  
 Size 40 to 150, working pressure PN10,  
 Size 200 to 300, working pressure PN6,  
 Size 350 to 400, working pressure PN4.  
 Temperature from -10°C to 120°C.
- ◆ **Flange Types**  
 EN1092-2 PN10/PN16, other flange types are available.
- ◆ **Operator:** Handwheel operated.



#### ◆ Materials Specifications

Part Name	Material	EN Spec.
Body	Cast Iron	EN-JL1040
Wedge	Cast Iron	EN-JL1040
Body Trim	Brass	CuZn39Pb3
Wedge Trim	Brass	CuZn39Pb3
Stem Nut	Brass	CuZn39Pb3
Stem	Stainless Steel	17440X20Cr13
Bonnet	Cast Iron	EN-JL1040
O-Ring	EPDM	Commercial
Gland	Cast Iron	EN-JL1040
Gasket	Graphite	Non-asbestos
Handwheel	Cast Iron	EN-JL1040



#### ◆ Dimensions (mm)

Size	40/1.5"	50/2"	65/2.5"	80/3"	100/4"	125/5"	150/6"	200/8"	250/10"	300/12"	350/14"	400/16"
<b>L</b>	140	150	170	180	190	200	210	230	250	270	290	310
<b>H</b>	200	202	222	250	303	351	411	498	579	679	870	941
<b>D</b>	130	130	130	150	185	185	195	225	245	285	400	400