



Series 771H



Series 772H



Series 771F



Series 772F



Series 774

1.0 PRODUCT DESCRIPTION

Available sizes

- 2 ½ – 16"/73mm – DN400

Maximum Working Pressure

- cULus Listed, FM Approved up to 250 psi/1725 kPa/20 bar. CCCf Approval up to 232 psi/1600 kPa/16 bar

Function

- OS&Y: Provides positive shutoff and a quick visual indicator of open or closed position.
- NRS: Provides remote shutoff service, for applications behind a wall or buried.

2.0 CERTIFICATION/LISTINGS



Size		Approval/Listing Maximum Working Pressure											
Nominal	Actual Outside Diameter	Series 771H			Series 772H			Series 771F			Series 772F		
inches DN	inches mm	cULus psi kPa	FM psi kPa	CCC psi kPa	cULus psi kPa	FM psi kPa	CCC psi kPa	cULus psi kPa	FM psi kPa	CCC psi kPa	cULus psi kPa	FM psi kPa	CCC psi kPa
2 ½	2.875 73.0	250 1725	250 1725	–	250 1725	250 1725	–	250 1725	250 1725	–	250 1725	250 1725	–
DN65	3.000 76.1	250 1725	250 1725	232 1600	250 1725	250 1725	–	250 1725	250 1725	–	250 1725	250 1725	–
3 DN80	3.500 88.9	250 1725	250 1725	232 1600	250 1725	250 1725	–	250 1725	250 1725	–	250 1725	250 1725	–
4 DN100	4.500 114.3	250 1725	250 1725	232 1600	250 1725	250 1725	–	250 1725	250 1725	–	250 1725	250 1725	–
	6.500 165.1	250 1725	250 1725	232 1600	250 1725	250 1725	–	250 1725	250 1725	–	250 1725	250 1725	–
6 DN150	6.625 168.3	250 1725	250 1725	–	250 1725	250 1725	–	250 1725	250 1725	–	250 1725	250 1725	–
8 DN200	8.625 219.1	250 1725	250 1725	232 1600	250 1725	250 1725	–	250 1725	250 1725	–	250 1725	250 1725	–
10 DN250	10.750 273.0	250 1725	250 1725	232 1600	250 1725	250 1725	–	250 1725	250 1725	–	250 1725	250 1725	–
12 DN300	12.750 323.9	250 1725	250 1725	–	250 1725	–	–	250 1725	–	–	250 1725	–	–
14 DN350	14.000 355.6	250 1725	–	–	250 1725	–	–	250 1725	–	–	250 1725	–	–
16 DN400	16.000 406.4	250 1725	–	–	250 1725	–	–	250 1725	–	–	250 1725	–	–

ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

3.0 SPECIFICATIONS – MATERIAL

Series 771 OS&Y and 772 NRS Gate Valves

Body: Ductile iron conforming to ASTM A536 grade 65-45-12

Body Gasket: EPDM

Body Bolts: Plated Steel w/ Plastic Covers

Handwheel: Ductile iron conforming to ASTM A536 grade 65-45-12

OS&Y Yoke (Series 771 only): Ductile iron conforming to ASTM A536 grade 65-45-12

Bonnet: Ductile iron conforming to ASTM A536 grade 65-45-12

Bonnet/Body Coating: Fusion bonded Epoxy coating

Gate: Ductile iron conforming to ASTM A536 grade 65-45-12, EPDM coated

Gate Nut: Bronze, conforming to ASTM A584

Stem: Bronze conforming to ASTM B150

O-Ring Seals: EPDM

Optional: Indicator Post Flange: Ductile iron conforming to ASTM A536 grade 65-45-12 available for NRS valves only

Series 774 Indicators

Target Frame: Bronze conforming to ASTM B62

Window: Polycarbonate

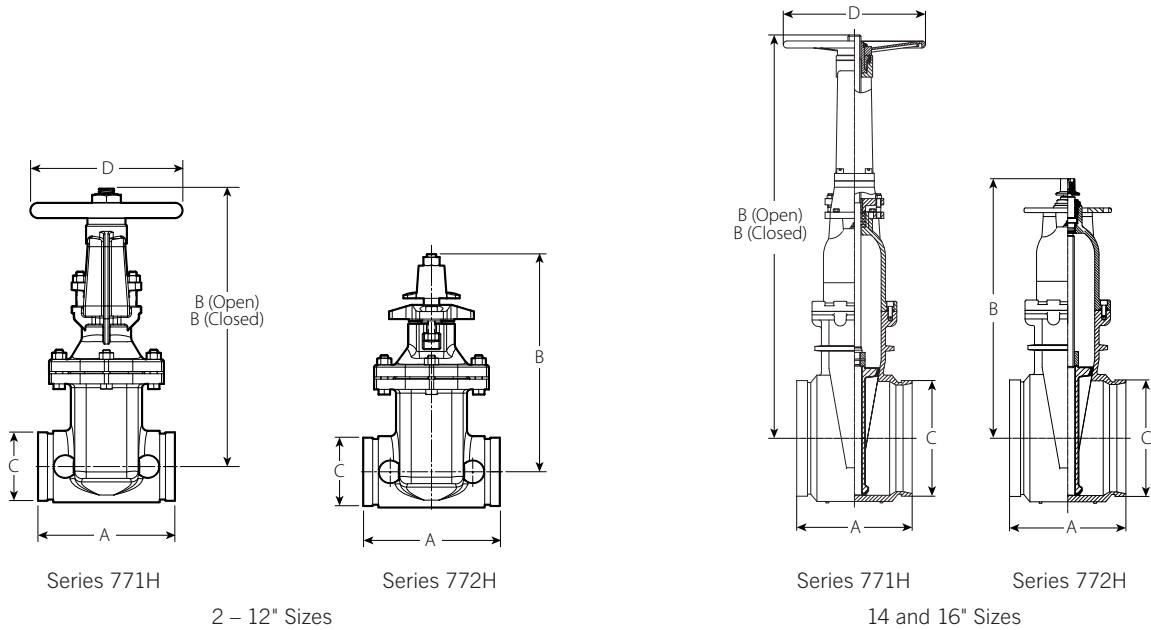
Series 774 Upright Indicators:

Body: Cast iron conforming to ASTM A126-B

Extension Sleeve: Cast iron conforming to ASTM A126-B

4.0 DIMENSIONS

Series 771H OS&Y and Series 772H
Grooved x Grooved

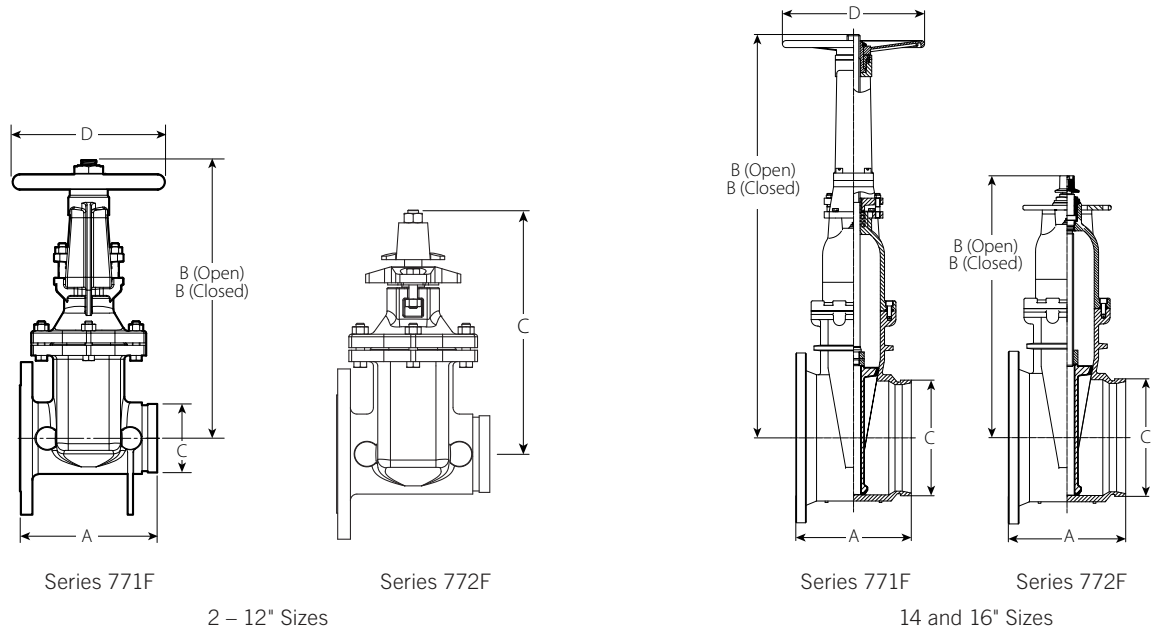


Size		Dimensions						Weight	
Nominal inches DN	Actual Outside Diameter inches mm	A inches mm	Series 771H Height		Series 772H Height	C inches mm	D inches mm	Approx. (Each)	
			B Closed inches mm	B Open inches mm	B inches mm			Series 771H lb kg	Series 772H lb kg
2½	2.875	7.50	16.13	18.75	11.00	2.88	7.88	31.5	22.1
	73.0	191	410	476	279	73	200	14.3	10.0
DN65	3.000	7.50	16.13	19.13	11.00	3.00	7.88	31.5	22.1
	76.1	191	410	486	279	76	200	14.3	10.0
3	3.500	8.00	17.13	20.38	12.25	3.50	7.88	39.3	29.8
	DN80	88.9	203	435	311	89	200	17.8	13.5
4	4.500	9.00	18.13	22.00	13.63	4.50	10.25	55.4	39.7
	DN100	114.3	229	460	346	114	260	25.1	18.0
	6.500	10.50	23.88	30.38	17.13	6.50	12.38	104.8	81.1
	165.1	267	606	772	435	165	314	47.5	36.8
6	6.625	10.50	23.88	29.75	17.13	6.63	12.38	104.8	81.1
	DN150	168.3	267	606	435	168	314	47.5	36.8
8	8.625	11.50	28.63	36.50	20.13	8.63	14.75	174.0	134.9
	DN200	219.1	292	727	511	219	375	78.9	61.2
10	10.750	13.00	35.00	44.88	24.00	10.75	16.38	262.4	194.0
	DN250	273.0	330	889	610	273	416	119.0	88.0
12	12.750	14.00	40.13	51.88	27.63	12.75	17.50	392.9	310.4
	DN300	323.9	356	1019	702	324	445	178.2	140.8
14	14.000	15.00	53.00	66.75	32.50	14.00	19.63	586.0	492.0
	DN350	355.6	381	1346	826	356	498	265.8	223.2
16	16.000	16.00	55.88	71.63	36.00	16.00	19.63	776.0	667.0
	DN400	406.4	406	1419	914	406	498	352.0	302.5

4.0 DIMENSIONS

Series 771F OS&Y and Series 772F

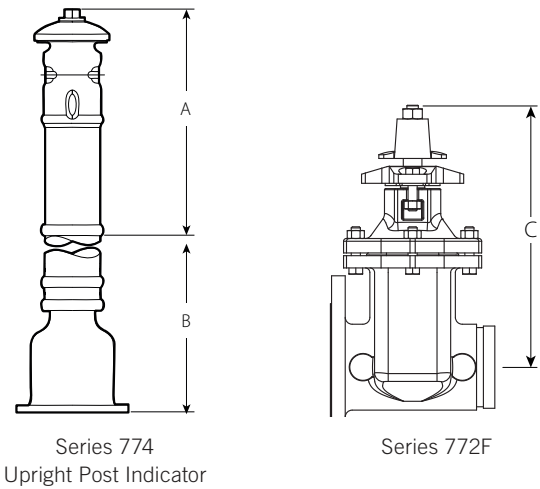
Flanged x Grooved come standard with an ANSI Class 150 flange. Other sizes are available. Contact Victaulic for details.



Size		Dimensions						Weight	
Nominal	Actual Outside Diameter	A	Series 771H Height		Series 772H Height	C	D	Approx. (Each)	
inches DN	inches mm		B Closed	B Open	B			Series 771F	Series 772F
		inches mm	inches mm	inches mm	inches mm	inches mm	inches mm	lb kg	lb kg
2½	2.875 73.0	7.50 191	16.13 410	18.75 476	11.00 279	2.88 73	7.88 200	38.1 17.3	30.4 13.8
DN65	3.000 76.1	7.50 191	16.13 410	19.13 486	11.00 279	3.00 76	7.88 200	38.1 17.3	30.4 13.8
3 DN80	3.500 88.9	8.00 203	17.13 435	20.38 518	12.25 311	3.50 89	7.88 200	48.1 21.8	37.5 17.0
4 DN100	4.500 114.3	9.00 229	18.13 460	22.00 559	13.63 346	4.50 114	10.25 260	70.6 32.0	52.9 24.0
	6.500 165.1	10.50 267	23.88 606	30.38 772	17.13 435	6.50 165	12.38 314	121.3 55.0	94.8 43.0
6 DN150	6.625 168.3	10.50 267	23.88 606	29.75 756	17.13 435	6.63 168	12.38 314	121.3 55.0	94.8 43.0
8 DN200	8.625 219.1	11.50 292	28.63 727	36.50 927	20.13 511	8.63 219	14.75 375	196.2 89.0	158.7 72.0
10 DN250	10.750 273.0	13.00 330	35.00 889	44.88 1140	24.00 610	10.75 273	16.38 416	310.9 141.0	253.5 115.0
12 DN300	12.750 323.9	14.00 356	40.13 1019	51.88 1318	27.63 702	12.75 324	17.50 445	449.8 204.0	377.0 171.0
14 DN350	14.000 355.6	15.00 381	53.00 1346	66.75 1695	32.50 826	14.00 356	19.63 498	642.0 291.2	547.0 248.1
16 DN400	16.000 406.4	16.00 406	55.88 1419	71.63 1819	36.00 914	16.00 406	19.63 498	847.0 384.2	747.0 338.8

4.0 DIMENSIONS (CONTINUED)

Series 774 Upright Post Indicator & Series 772F



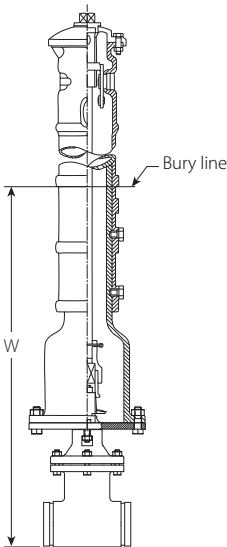
Size		Dimensions				Approximate Number of Turns	Weight
Nominal inches DN	Actual Outside Diameter inches mm	A inches mm	B Min inches mm	B Max inches mm	C inches mm		Approx. (Each) lb kg
2½	2.875 73.0	39.92 1014	21.65 550	61.42 1560	11.58 294	9	163.0 73.9
DN65	3.000 76.1	39.92 1014	21.65 550	61.42 1560	11.58 294	9	163.0 73.9
3 DN80	3.500 88.9	39.92 1014	21.65 550	61.42 1560	12.92 328	10	163.0 73.9
4 DN100	4.500 114.3	39.92 1014	21.65 550	61.42 1560	14.29 363	13	163.0 73.9
	6.500 165.1	39.92 1014	21.65 550	61.42 1560	17.13 435	16	163.0 73.9
6 DN150	6.625 168.3	39.92 1014	21.65 550	61.42 1560	17.13 435	16	163.0 73.9
8 DN200	8.625 219.1	39.92 1014	21.65 550	61.42 1560	20.83 529	17	163.0 73.9
10 DN250	10.750 273.0	39.92 1014	21.65 550	61.42 1560	24.73 628	21	163.0 73.9
12 DN300	12.750 323.9	39.92 1014	21.65 550	61.42 1560	28.39 721	26	163.0 73.9

NOTES

- Series 772H and Series 772F NRS Gate Valves must be equipped with a mounting plate if used with the Series 774 Upright Post Indicator. Contact Victaulic for details.
- Series 774 Post Indicator is intended for use on NRS valves only.

4.0 DIMENSIONS (CONTINUED)

Series 774 Upright Post Indicator
Bury Depth



Size		W Bury Depth		Weight
Nominal inches DN	Actual Outside Diameter inches mm	Minimum inches mm	Maximum inches mm	Approx. (Each) lb kg
2 1/2	2.875 73.0	31.23 793	71.00 1803	163.0 73.9
DN65	3.000 76.1	32.57 827	72.34 1837	163.0 73.9
3 DN80	3.500 88.9	32.57 827	72.34 1837	163.0 73.9
4 DN100	4.500 114.3	33.94 862	73.71 1872	163.0 73.9
	6.500 165.1	36.78 934	76.55 1944	163.0 73.9
6 DN150	6.625 168.3	36.78 934	76.55 1944	163.0 73.9
8 DN200	8.625 219.1	40.48 1028	80.25 2038	163.0 73.9
10 DN250	10.750 273.0	44.38 1127	84.15 2137	163.0 73.9
12 DN300	12.750 323.9	48.04 1220	87.81 2230	163.0 73.9

5.0 PERFORMANCE

6.0 NOTIFICATIONS



**WARNING**

- Read and understand all instructions before attempting to install any Victaulic products.
- Always verify that the piping system has been completely depressurized and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
- Wear safety glasses, hardhat, and foot protection.

Failure to follow these instructions could result in death or serious personal injury and property damage.

- These products shall be used only in fire protection systems that are designed and installed in accordance with current, applicable National Fire Protection Association (NFPA 13, 13D, 13R, etc.) standards, or equivalent standards, and in accordance with applicable building and fire codes. These standards and codes contain important information regarding protection of systems from freezing temperatures, corrosion, mechanical damage, etc.
- The installer shall understand the use of this product and why it was specified for the particular application.
- The installer shall understand common industry safety standards and potential consequences of improper product installation.
- It is the system designer's responsibility to verify suitability of materials for use with the intended fluid media within the piping system and external environment.
- The material specifier shall evaluate the effect of chemical composition, pH level, operating temperature, chloride level, oxygen level, and flow rate on materials to confirm system life will be acceptable for the intended service.

Failure to follow installation requirements and local and national codes and standards could compromise system integrity or cause system failure, resulting in death or serious personal injury and property damage.

7.0 REFERENCE MATERIALS

- [05.01: Victaulic Seal Selection Guide – Elastomeric Seal Construction](#)
- [10.01: Victaulic Fire Protection Certifications/Listings Reference Guide](#)
- [24.01: Victaulic Pipe End Preparation](#)
- [26.01: Victaulic Design Data](#)
- [29.01: Victaulic Terms and Conditions of Sale](#)
- [I-100: Victaulic Field Installation Handbook](#)

User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, as well as Victaulic performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, installation guide, or this disclaimer.

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Note

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

Installation

Reference should always be made to the Victaulic installation handbook or installation instructions of the product you are installing. Handbooks are included with each shipment of Victaulic products, providing complete installation and assembly data, and are available in PDF format on our website at www.victaulic.com.

Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

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