



HYDROFIRE ΕΠΕ

Buildings - Industry - Marine – Waterworks
END OF AG. PANTELEIMONOS Str. (ELEONAS)
GR-12241 EGALEO,
Tel.: +30 210 3412 749-750 Fax: +30 210 3412 406
www.hydrofire.gr, email: info@hydrofire.gr



Victaulic® Wye Type Vic-Strainer® Series 732



2 – 12"



Option Available on
2 – 6" Units

1.0 PRODUCT DESCRIPTION

Available Sizes

- 2 – 12"/DN50 – DN300

Maximum Working Pressure

- 300psi/2068 kPa/21 bar

Operating Temperature

- Dependent on gasket selection from section 3.0

Application

- Provides straight-through flow for lower pressure drops

NOTES

- Factory-installed blow down drain valve available upon request only in sizes 2"/DN50, 2 ½"/73.0 mm, 3"/DN80, 4"/DN100 and 6"/DN150.
- For information on the Series W732 AGS Wye Type Vic-Strainer, see [publication 20.19](#).

2.0 CERTIFICATION/LISTINGS

Not applicable – contact Victaulic with any questions.

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

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3.0 SPECIFICATIONS – MATERIAL

Housing (Body, Coupling, End Cap): Ductile iron conforming to ASTM A536, Grade 65-45-12.

Housing Coating: (specify choice)

- Standard: Orange enamel
- Optional: Hot dipped galvanized
- Optional: Fusion bonded epoxy (Max. operating temperature +140°F/+60°C)

Basket: Stainless steel, Type 304.

Standard: Perforated metal.

- 2 – 3"/DN50 – DN80:** 0.062"/1.6 mm diameter perforations on 0.09"/2.3 mm centers, 41% open area.
- 4 – 12"/DN100 – DN300:** 0.125"/3.2 mm diameter perforations on 0.19"/4.8 mm centers, 40% open area. Other perforation sizes and open areas are available. Please contact Victaulic for details.

Optional: Mesh Underlay: Perforated metal with woven wire underlay.

- 2 – 6"/DN50 – DN150:** 0.156"/3.97 mm diameter perforations on 0.188"/4.6 mm centers, 63% open area. Underlaid with wire mesh with greater than 45% open area.
- 8 – 12"/DN200 – DN300:** 0.188"/4.76 mm diameter perforations on 0.25"/6.35 mm centers, 51% open area. Underlaid with wire mesh with greater than 45% open area.

NOTE

- Mesh underlay available with minimum opening size of 0.025"/0.64 mm. Contact Victaulic for details.

Gasket: (specify choice¹)

Victaulic EPDM

(Green color code). Temperature range –30°F to +230°F/–34°C to +110°C. NOT RECOMMENDED FOR PETROLEUM SERVICES.

Victaulic Nitrile

(Orange color code). Temperature range –20°F to +180°F/–29°C to +82°C. Not compatible for hot water services over +150°F/+66°C or for hot dry air over +140°F/60°C. NOT RECOMMENDED FOR HOT WATER SERVICES.

¹ Supplemental lubricant is recommended for services installed at or continuously operating below 0°F/-18°C.

Bolts/Nuts: Heat-treated plated carbon steel zinc-electroplated to ASTM B633, track head conforming to physical properties of ASTM A183, minimum tensile 110,000 psi/758340 kPa.

Couplings: Supplied with (1) Victaulic Style 07 Zero-Flex® coupling for cleaning access.

Blow Down Port: NPT tap provided in the cap for a discharge valve connection, allowing solids to be “blown down” while the system is in service. Strainer supplied with cap plugged.

Blow Down Drain Valve: DZR brass. Available upon request only in sizes 2½"/73.0 mm, 3"/DN80, 4"/DN100 and 6"/DN150.



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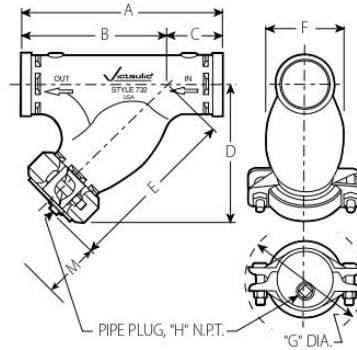
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4.0 DIMENSIONS

Series 732 Wye-Type Vic-Strainer



Size		Dimensions											Weight
Nominal inches DN	Actual Outside Diameter inches mm	End to End A inches mm	B inches mm	C inches mm	D inches mm	D1 inches mm	E inches mm	E1 inches mm	F inches mm	G ² inches mm	H inches mm	M ³ inches mm	Approximate (Each) lb kg
2	2.375	9.75	7.00	2.75	7.54	–	8.54	–	3.31	5.78	0.50	6.25	10.0
DN50	60.3	248	178	70	192	–	217	–	84	146	13	158	4.5
2 ½	2.875	10.75	7.75	3.00	8.32	9.75	9.32	11.60	3.94	6.38	0.50	7.00	14.0
	73.0	273	197	76	211	248	237	295	100	162	13	177	6.4
DN65	3.000	10.75	7.75	3.00	8.32	–	9.32	–	3.94	6.61	0.50	7.00	14.0
	76.1	273	197	76	211	–	237	–	100	167	13	177	6.4
3	3.500	11.75	8.50	3.25	9.08	10.40	10.14	12.15	4.64	6.81	0.75	7.83	20.0
DN80	88.9	299	216	83	231	264	258	309	117	173	19	198	9.1
4	4.500	14.25	10.50	3.75	11.06	12.22	12.36	14.32	6.19	8.21	1.00	9.70	32.0
DN100	114.3	362	267	95	281	310	314	364	157	208	25	246	14.5
5	5.563	16.50	12.50	4.00	13.00	–	14.36	–	7.73	9.89	1.00	12.00	50.0
	141.3	419	318	102	330	–	365	–	196	251	25	304	22.7
DN125	5.500	16.50	12.50	4.00	13.00	–	14.36	–	7.73	9.89	1.00	12.00	50.0
	139.7	419	318	102	330	–	365	–	196	251	25	304	22.7
6	6.625	18.50	14.00	4.50	14.44	15.50	16.06	17.95	9.12	10.83	1.25	13.38	72.0
DN150	168.3	470	356	114	367	394	408	456	231	275	32	339	32.7
	6.500	18.50	14.00	4.50	14.44	–	16.06	–	9.12	10.83	1.25	13.38	72.0
	165.1	470	356	114	367	–	408	–	231	275	32	339	32.7
8	8.625	24.00	18.00	6.00	18.38	–	20.50	–	12.24	13.74	1.50	17.44	125.0
DN200	219.1	610	457	152	467	–	521	–	310	349	38	443	56.7
10	10.750	27.00	21.00	6.00	22.00	–	23.82	–	14.02	16.98	2.00	20.75	205.0
DN250	273.0	686	533	152	559	–	605	–	356	431	51	527	93.0
12	12.750	30.00	24.50	5.50	24.75	–	27.37	–	16.89	18.88	2.00	24.50	280.0
DN300	323.9	762	622	140	629	–	695	–	429	479	51	622	127.0

² Dimensions will vary depending upon coupling orientation.

³ Dimension "M" represents minimum clearance required to remove the basket from the strainer.



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5.0 PERFORMANCE

Series 732 Wye-Type Vic-Strainer

Size		Maximum Working Pressure ⁴
Nominal inches DN	Actual Outside Diameter inches mm	
2 DN50	2.375 60.3	300 2065
2 ½	2.875 73.0	300 2065
DN65	3.000 76.1	300 2065
3 DN80	3.500 88.9	300 2065
4 DN100	4.500 114.3	300 2065
5	5.563 141.3	300 2065
DN125	5.500 139.7	300 2065
6 DN150	6.625 168.3	300 2065
	6.500 165.1	300 2065
8 DN200	8.625 219.1	300 2065
10 DN250	10.750 273.0	300 2065
12 DN300	12.750 323.9	300 2065

⁴ Working pressure is maximum and will be governed by couplings used for installation and related system components. Maximum differential pressure from inlet to outlet must not exceed 10 psi/69 kPa.



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5.1 PERFORMANCE

Series 732 Wye-Type Vic-Strainer

Flow Rate

C_v/K_v values for flow of water at +60°F/+16°C are shown in tables below.

Formulas for C_v/K_v values:

$$\Delta P = \frac{Q^2}{C_v^2}$$

$$Q = C_v \times \sqrt{\Delta P}$$

Where:

Q = Flow (GPM)

ΔP = Pressure Drop (psi)

C_v = Flow Coefficient

$$\Delta P = \frac{Q^2}{K_v^2}$$

$$Q = K_v \times \sqrt{\Delta P}$$

Where:

Q = Flow (m³/hr)

ΔP = Pressure Drop (Bar)

K_v = Flow Coefficient

Size		Full Open C _v K _v
Nominal inches DN	Actual Outside Diameter inches mm	
2	2.375	72
DN50	60.3	62
2½	2.875	111
	73.0	96
	3.000	111
DN65	76.1	96
3	3.500	164
DN80	88.9	142
4	4.500	285
DN100	114.3	247
5	5.563	410
	141.3	355
	5.500	410
DN125	139.7	355
6	6.625	644
DN150	168.3	557
	6.500	644
	165.1	557
8	8.625	1000
DN200	219.1	865
10	10.750	1800
DN250	273.0	1557
12	12.750	2800
DN300	323.9	2422

NOTE

- Data listed above applies to Series 732 Wye-Type Vic-Strainers with either standard or mesh underlaid baskets.



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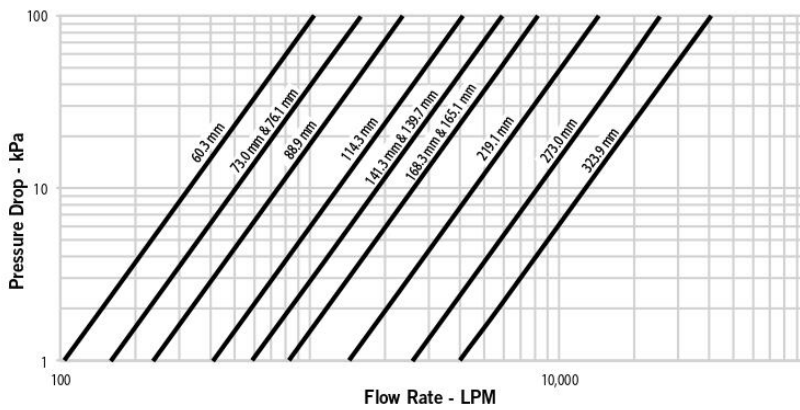
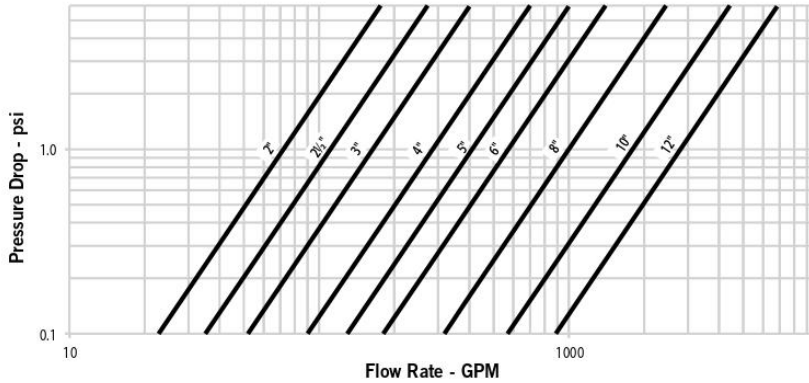
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5.2 PERFORMANCE

Series 732 Wye-Type Vic-Strainer

Flow Characteristics

The charts below express the flow of water at 65°F/18°C.



NOTE

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6.0 NOTIFICATIONS

⚠ WARNING

- Read and understand all instructions before attempting to install, remove, adjust, or maintain any Victaulic piping 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.

7.0 REFERENCE MATERIALS

- [05.01: Victaulic Seal Selection Guide](#)
- [24.01: Victaulic Pipe Preparation Tools](#)
- [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, and the applicable building codes and related regulations 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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