

Low-lead Y-strainer

NA109 series



Function

The NA109 series low-lead brass y-strainers are designed for residential and commercial plumbing and hydronic applications to protect equipment from premature failure due to damaging debris. Y-strainers are used to protect critical water control devices such as backflow preventers, pressure reducing valves, balancing valves and control valves. The NA109 series are available with 1/2" to 2" FNPT connections and have a 30 mesh stainless steel screen.

Product range

NA109 Series Low Lead Y-strainer.....sizes 1/2", 3/4", 1", 1 1/4", 1 1/2", 2" integral NPT female

Technical specifications

Materials

Body:
size 1/2", 3/4", 1", 1 1/4", 1 1/2": low lead* brass EN12165 CW511L-DW
size 2": low lead* brass EN12165 CB770S
Strainer: stainless steel
Seals: peroxide-cured EPDM

* Meets the "lead free" requirement of Section 1417 of the Safe Drinking Water Act (SDWA).
This product has a weighted average lead content of less than 0.25% for its wetted surfaces contacted with consumable water.

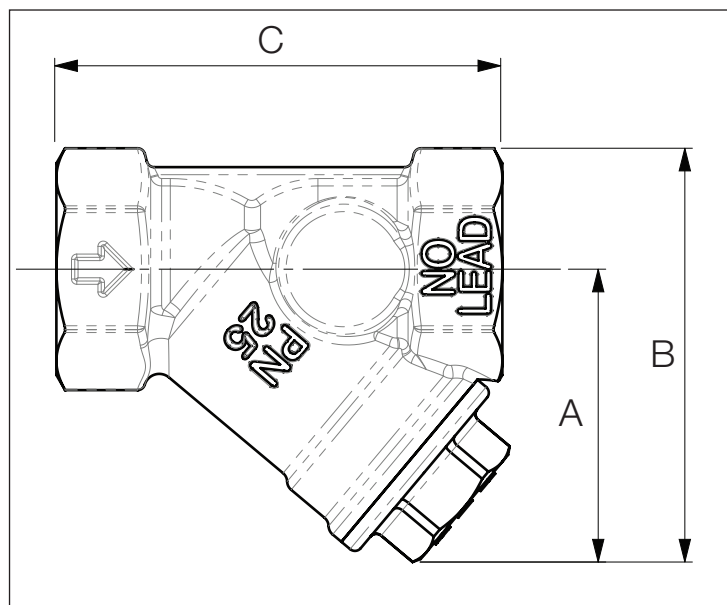
Performance

Medium: water, glycol solutions
Max. percentage of glycol: 50%
Max. working pressure: 360 psi (25 bar)
Working temperature range: 14 to 285 °F (-10 to 140 °C)
Strainer mesh diameter: 0.65 mm (30 mesh)
Connections: 1/2", 3/4", 1", 1 1/4", 1 1/2", 2" integral NPT female
Cv:
1/2"- 4.0 (3.4); 3/4"- 6.7 (5.8); 1"-10.6 (9.1); 1 1/4"- 16.3 (14);
1 1/2"- 23.6 (20.3); 2"-39.4 (34.0)

Certifications

1. NSF/ANSI/CAN 61, Drinking Water System Components for use in potable water systems. Certified and listed by IAPMO R&T.
2. NSF/ANSI/CAN 372, US and Canadian Low-Lead and Lead-Free materials contents laws for drinking water system components. Certified and listed by IAPMO R&T.
3. PEX crimp fittings certified to ASTM F1807.
4. PEX expansion fittings certified to ASTM F1960.

Dimensions

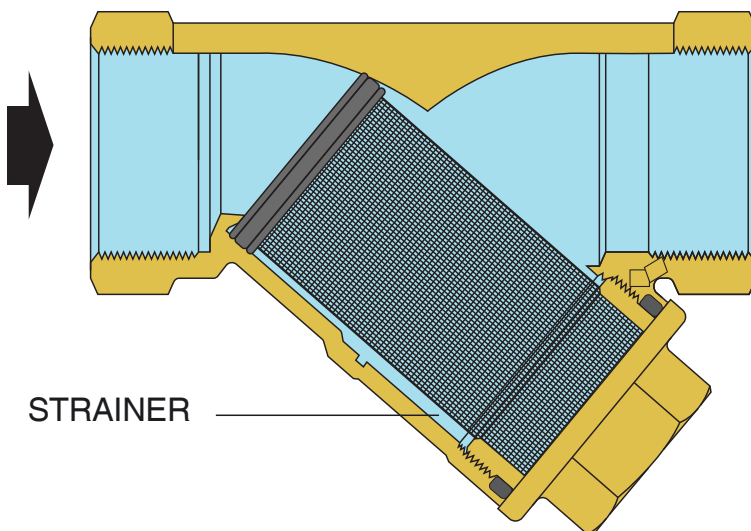


Size	Code number	A	B	C	Weight (lb)
1/2"	NA10904	1 1/2"	2 5/32"	2 5/16"	0.5
3/4"	NA10905	1 7/8"	2 5/8"	2 11/16"	0.9
1"	NA10906	2 7/32"	3 1/8"	3"	1.4
1 1/4"	NA10907	2 13/16"	3 15/16"	3 5/8"	1.9
1 1/2"	NA10908	3 1/8"	4 5/16"	3 7/8"	2.4
2"	NA10909	3 7/8"	5 7/16"	4 15/16"	3.0

Construction details

The NA109 series Y-strainer uses a IAPMO-certified low-lead brass body with integral NPT female threaded end connections. The 30 mesh stainless steel screen can be easily removed for cleaning without removing the body from the pipeline.

The Caleffi NA108 full-port ball valve can be used for isolating the NA109 series Y-strainer during servicing. The NA108 ball valve is sold separately and must be purchased for field installation, along with low lead brass pipe nipples.



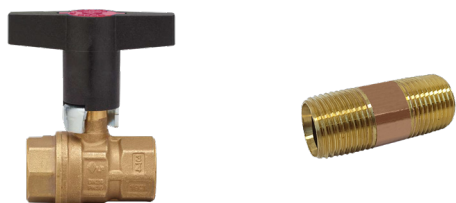
Accessories

Isolation ball valve and close nipples

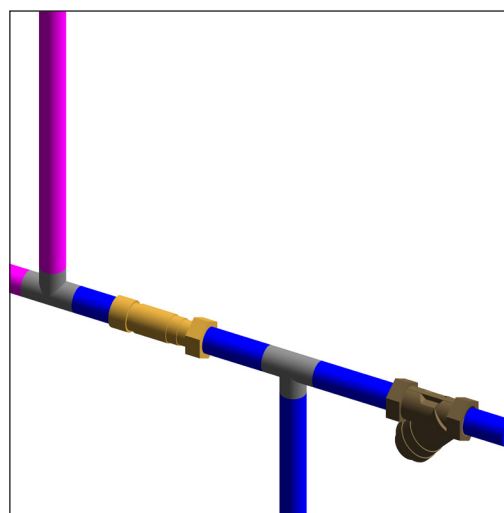
NPT full port ball valves with extended operator handle for insulated pipes or bare pipes. High strength forged low lead brass, blowout proof stem with dual O-ring seals. Pressure rating 600 WOG. Temperature rating -4 to 366 °F (-20 to 185 °C).

Low lead brass pipe close nipples for connecting the NA108 ball valve to the NA109 Y-strainer with FNPT end connections.

Both comply with standards NSF/ANSI/CAN 61, NSF/ANSI/CAN 372. certified by ICC-ES.



Size	Ball Valve	Nipple
1/2"	NA10824	NA10834
3/4"	NA10825	NA10835
1"	NA10826	NA10836
1 1/4"	NA10827	NA10837
1 1/2"	NA10828	NA10838
2"	NA10829	NA10839



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SPECIFICATION SUMMARY

NA109 series

Y-strainer with stainless steel strainer, strainer mesh 0.65 mm (30 mesh). Connections 1/2", 3/4", 1", 1 1/4", 1 1/2", 2" integral NPT female. Low-lead* brass body and drain plug certified and listed by IAPMO R&T. Meets requirements of NSF/ANSI/CAN 372 and NSF/ANSI/CAN 61. Peroxide-cured EPDM seals. Water and up to 50% maximum glycol solutions. Maximum working pressure 360 psi (25 bar). Working temperature range 14 to 285 degrees F (-10 to 140 degrees C). Cv: 1/2"- 4.0 (3.4); 3/4"- 6.7 (5.8); 1"-10.6 (9.1); 1 1/4"- 16.3 (14); 1 1/2"- 23.6 (20.3); 2"-39.4 (34.0). Provide with optional inlet and outlet isolation ball valves, code NA108 series with close nipples, separately sourced, field installed.

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