

# Low-lead union Y-strainer

## 128 series



### Function

The 128 series Y-strainer is available with NPT male, sweat, press, PEX crimp and PEX expansion union connections. The union nut makes installation and maintenance fast, easy and efficient for a variety of tailpiece options. Constructed of DZR low-lead brass, 128 series Y-strainer is ideally suited for use in plumbing applications such as hot water recirculation systems and pairs up nicely with the Caleffi 128 series FlowCal and FlowCal+ balancing valves. The 128 series Y-strainers can also be used in hydronic systems.

The 128 series Y-strainer is made of certified low-lead brass in a Y-pattern body and uses the same 20-mesh stainless steel screen as used in the Caleffi 120 series Y-strainer. Because the body can remain in the piping, the y-body simplifies serviceability with an easily removable cap to pull out the the strainer screen for cleaning, inspection or replacement. It also includes factory-installed PT ports to check pressure drop to determine filter clogging. The 1/2 inch plug may be replaced with a field-provided blow down valve is desired.

Caleffi code 290030 full-port ball valve is designed for isolating the 128 series Y-strainer. The isolation valve installs in between the valve body and the tailpiece fitting assembly. Male x Female configuration and bi-directional full ball valve flow capacity provides flexibility for using one or two isolation valves for the primary functioning valve. An optional stem extension is also available for those projects that require pipe insulation.

### Product range

128 series Low-lead Y-strainer with union connections, includes PT ports and blowdown port..... sizes 1/2", 3/4", 1" NPT male, sweat, press, PEX crimp or PEX expansion union connections

### Technical specifications

#### Materials

Body and drain plug: DZR low-lead brass (<0.25% Lead content)  
 Strainer: stainless steel  
 Seals: peroxide-cured EPDM

#### Performance

Medium: water, glycol solutions  
 Max. percentage of glycol: 50%  
 Max. working pressure: 400 psi (28 bar)  
 Working temperature range: 32-212° F (0-100° C)  
 Strainer mesh diameter: 0.87 mm (20 mesh)  
 Connections:  
 Main inlet/outlet: 1/2", 3/4" and 1" NPT male, sweat, press, PEX crimp or PEX expansion union  
 Plugged blowdown port: 1/2" FNPT  
 Lay length (press connection): see page 2  
 Cv: 7.7

### Certifications

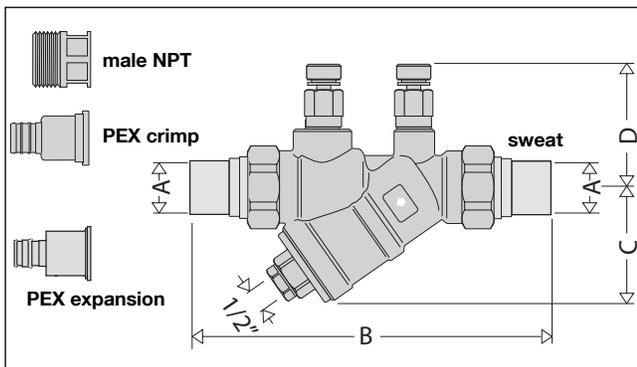
1. NSF/ANSI/CAN 372, Drinking Water System Components-Lead Content Reduction of Lead in Drinking Water Act, California Health and Safety Code 116875 S.3874, Reduction in Drinking Water Act, Vermont Act 193 - The Lead in Plumbing Supplies Law and Maryland's Lead Free Law HB.372, certified by ICC-ES, file PMG-1360.
2. PEX crimp fittings certified to ASTM F 1807.
3. PEX expansion fittings certified to ASTM F 1960.

## Order Code Numbering for 128 series Union Y-strainer

Code	Description	Code	Description	Code	Description
128741000	1/2" NPT male	128751000	3/4" NPT male	128761000	1" NPT male
128742000	1/2" PEX expansion	128752000	3/4" PEX expansion	128762000	1" PEX expansion
128744000	1/2" PEX crimp	128754000	3/4" PEX crimp	128764000	1" PEX crimp
128746000	1/2" press	128756000	3/4" press	128766000	1" press
128749000	1/2" sweat	128759000	3/4" sweat	128769000	1" sweat

All fittings are union style. All codes have factory-installed PT ports.

### Dimensions



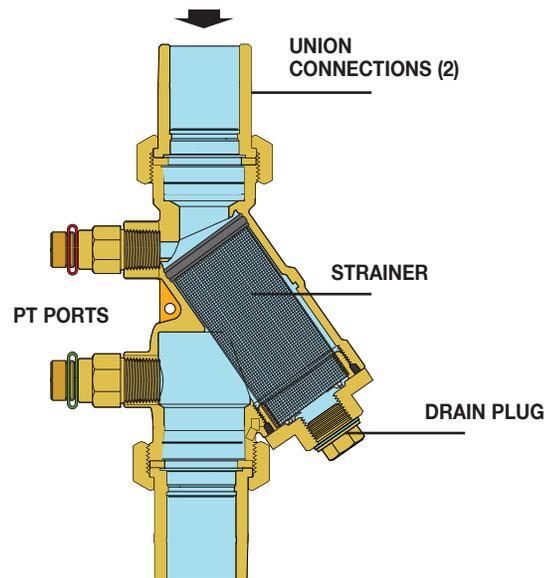
Code	A (union connections)	B	C	D	Wt (lb/kg)
128741000	1/2" NPT male	6-11/16"	2"	2-13/16"	1.5/0.7
128742000	1/2" PEX expansion	8-13/16"			1.5/0.7
128744000	1/2" PEX crimp	7-13/16"			1.5/0.7
128746000	1/2" press*	6-9/16"			1.5/0.7
128749000	1/2" sweat	5-15/16"			1.3/0.6
128751000	3/4" NPT male	6-1/2"			1.5/0.7
128752000	3/4" PEX expansion	8-13/16"			1.5/0.7
128754000	3/4" PEX crimp	7-13/16"			1.5/0.7
128756000	3/4" press*	7-5/16"			2.1/0.95
128759000	3/4" sweat	6-7/16"			2.1/0.95
128761000	1" NPT male	7-3/16"			1.7/0.8
128762000	1" PEX expansion	8-13/16"			1.7/0.8
128764000	1" PEX crimp	8"			1.7/0.8
128766000	1" press*	7-1/4"			1.7/0.8
128769000	1" sweat	7-3/16"			2.2/1.0

\*Lay length for press models:

- size 1/2 inch: 5"
- size 3/4 inch: 5-7/16"
- size 1 inch: 5-7/16"

### Construction details

The 128 series union y-strainer uses the same low-lead brass body as the 128 series FlowCal and FlowCal+ balancing valves, with dual unions and PT test ports included. The 20 mesh stainless steel screen can be easily removed for cleaning without removing the body from the piping or a 1/2 inch purge valve can replace the plug for easy dirt blow down.



## Accessories

### PT test ports

Replacement fast-plug pressure/temperature test ports for 128 series Y-strainers. Special construction enables rapid and accurate measurements without the need to leave expensive test equipment inline. The double-sealing core insures long and trouble-free service. Can be used for checking the operation of y-strainer.



Low Lead brass body.  
Nordel Core.

Working temperature range: 0–275°F (-18–135°C)  
Max. working pressure: 435 psi (30 bar).

Code	Size
<b>100001A</b>	1/4" NPT PT Test Port and Cap, standard size, 1 1/2" length (pair)

### Isolation ball valve

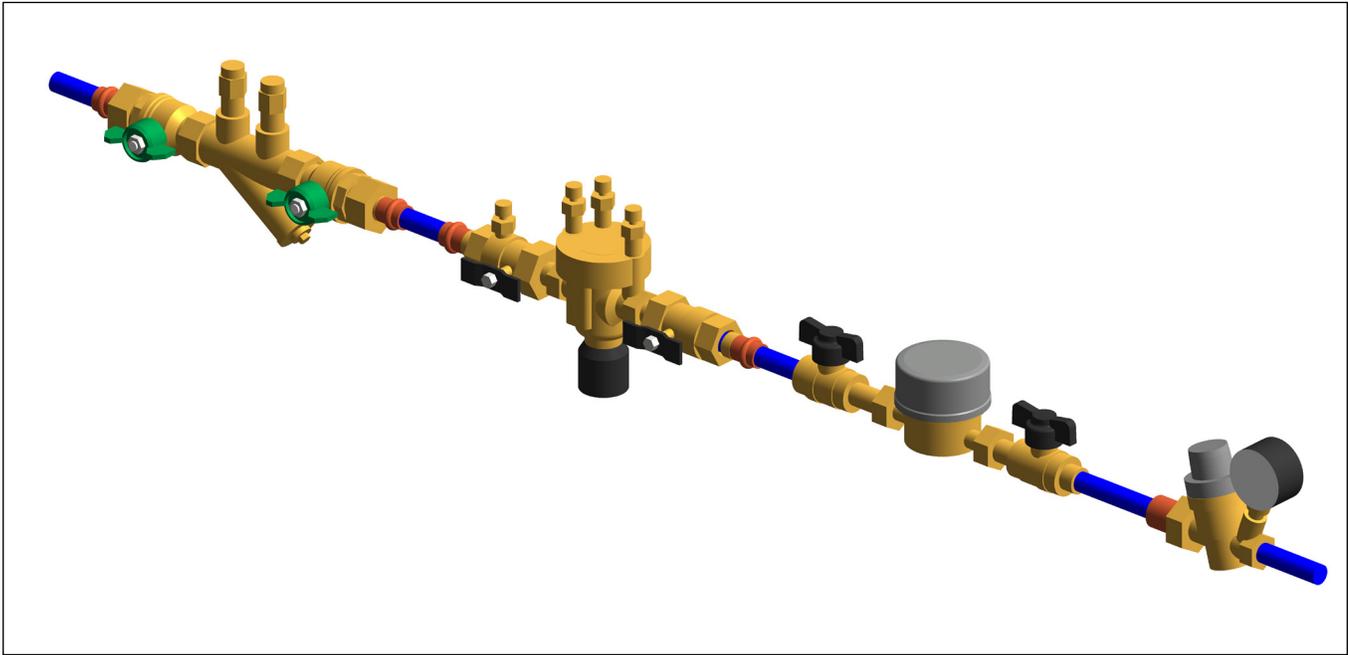
Low lead Male x Female union fits 1" valves between body and tailpiece. See below.



Code	Size
<b>290030</b>	Isolation ball valve 1"M x 1"F union
<b>NA10815</b>	Stem extension for 290030



Isolation ball valves, installed on  
128 Union Y-strainer



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## SPECIFICATION SUMMARY

### 128 series

Y-strainer with stainless steel strainer, strainer mesh 0.87 mm (20 mesh). Connections 1/2", 3/4", 1" NPT male, sweat, press, PEX crimp and PEX expansion union. PEX crimp fittings must comply with ASTM F 1807. PEX expansion fittings must comply with ASTM F 1960. DZR low-lead brass body and drain plug (<0.25% lead content) certified by ICC-ES file PMG-1360. Meets requirements of NSF/ANSI/CAN 372. Peroxide-cured EPDM seals. Provided with two pressure/temperature test ports, Caleffi code 100001A. Water and up to 50% maximum glycol solutions. Maximum working pressure 400 psi (28 bar). Working temperature range 32 to 212 degrees F (0 to 100 degrees C). Cv: 7.70. Provide with optional inlet and outlet isolation ball valves, code 290030, separately sourced, field installed.

*We reserve the right to change our products and their relevant technical data, contained in this publication, at any time and without prior notice.*



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