

# Low-lead union Y-strainer



## 128 series

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### Application

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. It also includes factory-installed PT ports to verify and certify flow rates where required. In addition, available separately, field-install Caleffi code 290030 full-port ball valve for isolation. The 128 series Y-strainers can also be used in hydronic systems.

### Typical Specification

Furnish and install on the plans and described herein, a 128 series low-lead union Y-strainer as manufactured by Caleffi. Each Y-strainer must be designed with a y-body style including 1/2", 3/4", or 1" union sweat, NPT male threaded, press, PEX crimp and PEX expansion end connections. The design must include a DZR low-lead brass body and drain plug, with connections (<0.25% Lead content) certified by ICC-ES, stainless steel strainer with strainer mesh 0.87 mm (20 mesh), and peroxide-cured EPDM seals. Provided with two pressure/temperature test ports, Caleffi code 100001A. Provide with optional inlet and outlet isolation ball valves, code 290030, separately sourced, field installed. Each Y-strainer must be designed with flow Cv 7.0, 400 psi (28 bar) maximum working pressure and working temperature range of 32 to 212°F (0 to 100°C). Each Y-strainer shall be a Caleffi model 128 series or approved equal. (See product instructions for specific installation information.)



### Technical Data

#### Materials Valve

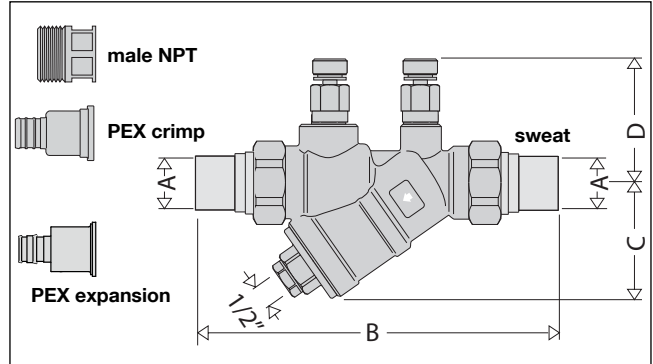
Body and drain plug: DZR low-lead brass  
 Strainer: stainless steel  
 Seals: peroxide-cured EPDM

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, certified by ICC-ES, file PMG-1360. PEX crimp fittings certified to ASTM F 1807. PEX expansion fittings certified to ASTM F 1960. US Patent: 7,246,635 B2.

#### Performance

Suitable Fluids: water, glycol solutions  
 Max. percentage of glycol: 50%  
 Max. working pressure: 400 psi (16 bar)  
 Working temperature range: 32 - 212°F (0-100°C)  
 Strainer mesh diameter: 0.97 mm (20 mesh)  
 Cv: 7.0  
 Connections:  
 Main inlet/outlet: 1/2", 3/4", 1" union sweat, NPT male, press, PEX crimp or PEX expansion  
 Plugged blowdown port: 1/2" FNPT

### 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"

We reserve the right to change our products and their relevant technical data, contained in this publication, at any time and without prior notice. Contractors should request production drawings if prefabricating the system

Job name \_\_\_\_\_  
 Job location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Mechanical contractor \_\_\_\_\_  
 Contractor's P.O. No. \_\_\_\_\_  
 Representative \_\_\_\_\_

Size \_\_\_\_\_  
 Quantity \_\_\_\_\_  
 Approval \_\_\_\_\_  
 Service \_\_\_\_\_  
 Tag No. \_\_\_\_\_  
 Notes \_\_\_\_\_