



# Hydro Separator

## NA548 ASME/CRN Series With Flanged Connections, sizes 8" to 14"

Submittal Data 02910.3 NA — Issue Date 8/2021

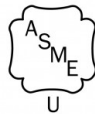
### Application

The NA548 series hydraulic separator creates a zone with a low pressure loss, which enables connected primary and secondary circuits to be hydraulically independent of each other; the flow in one circuit does not create or interrupt flow in another. Hydraulically decoupling primary and secondary circuits eliminates pump conflict.

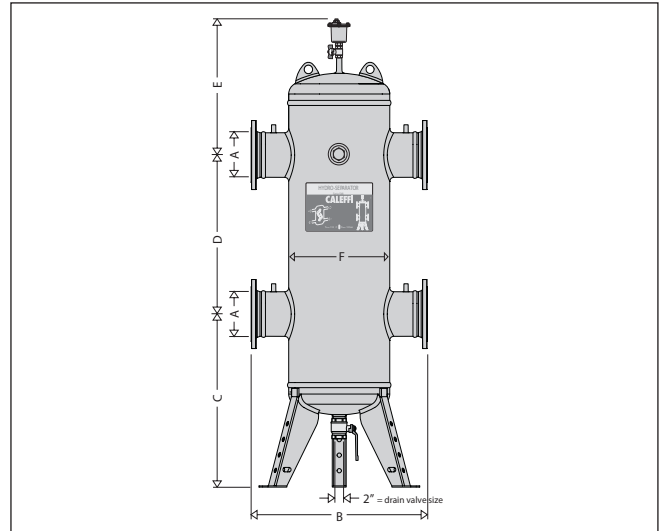
This device includes an automatic high-capacity air vent with service valve to discharge accumulated air within the circuits.

### Typical Specification

Furnish and install on the plans and described herein, a Caleffi Hydro Separator as manufactured by Caleffi. Each separator must be designed with an epoxy resin painted body, 300 series stainless steel internal baffle, a brass blowdown drain valve and automatic brass air vent with brass shutoff valve. The separator design must include ANSI B16.5 Class 150 RF flanges. The separator must be designed and built in accordance with Section VIII, Div. 1 of the ASME Boiler and Pressure Vessel Code and tagged and registered with the National Board of Boiler and Pressure Vessel Inspector and stamped for 150 psi (10 bar) working pressure, with ASME U stamp. Each separator shall be Caleffi model NA548 or approved equal. (See product instructions for specific installation.)



### Dimensions



NOTE: Drawing may not reflect the actual size of the separator.

Code	A	B	C	D	E	F	Wt. (lbs.)	Wt. (kg)
NA548200A	8"	35½"	36"	39⅝"	25⅞"	20"	530	240
NA548250A	10"	41¼"	37½"	43⅞"	27⅞"	26"	740	335
NA548300A	12"	46½"	39⅞"	47¼"	29⅞"	30"	1,110	503
NA548350A	14"	52"	38⅞"	58⅞"	34½"	36"	1,550	703

NA prefix indicates ASME tagged and registered with the National Board of Boiler and Pressure Vessel Inspectors and CRN registered (except 14" CRN pending, contact Caleffi), with ASME U stamp. Insulation is not included.

### Technical Data

- Materials**
- separator body: epoxy resin painted steel
  - air vent body: brass
  - shut off and drain valve body: brass
  - internal baffle: 304 stainless steel

### Performance

- Suitable fluids: water and non-hazardous glycol solution up to 50%  
 Max. operating pressure: 150 psi (10 bar)  
 Working temperature range (vessel): 32–270°F (0–132°C)

- Connections**
- main: 8" – 14" ANSI B16.5 150 CLASS RF
  - drain valve: 2" NPT female
  - thermo well tap:
    - front center: ¾" NPT female
    - inlet/outlet flanges: ½" NPT female

### Agency approval

Series NA548 is designed and built in accordance with Section VIII, Division 1 of the ASME Boiler and Pressure Vessel Code and tagged and registered with the National Board of Boiler and Pressure Vessel Inspector, and CRN registered, and stamped for 150 psi (10 bar) working pressure, with ASME U stamp. 14" is CRN pending, contact Caleffi.

Size	8"	10"	12"	14"
gpm	792	1330	1850	2500
m <sup>3</sup> /h	180	302	420	568
l/s	50	84	117	158
Gallons	95	175	255	450
liters	359.6	662.4	965.3	1703

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 \_\_\_\_\_