

resideo



MAGNETIC HYDRAULIC SEPARATOR

Bringing comfort
and efficiency
into balance.

A BEST-IN-CLASS ADDITION TO OUR HYDRONIC PORTFOLIO.

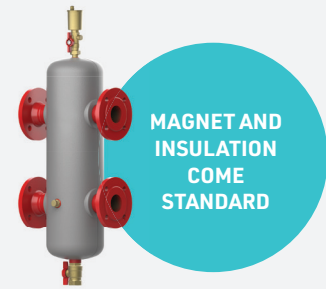
The new Resideo Magnetic Hydraulic Separator protects modern hydronic installs through air, debris and ferrous removal, plus critical flow management between connected hydraulic circuits. Now it's easier for you to create a balanced hydronic system that delivers the comfort and efficiency customers want while minimizing callbacks.



Resideo
Magnetic
Hydraulic
Separator

A SMOOTHER HYDRONIC SYSTEM STARTS HERE.

By adding the new Resideo Hydraulic Separator to your hydronic installs and retrofits, you can more easily balance source-side and load-side circulator flows, minimizing air turbulence while protecting components from backflow and debris. It's a smart safeguard to help ensure a smooth-running system and a happier, more comfortable customer.



Designed to protect and perform

- Metal mesh prevents reciprocal influence between circulators and compensates for flow differences, **reducing system turbulence**
- Air bubbles inside circuits are separated and vented through upper air valve, **minimizing water hammer**
- Magnet separates metal debris and dirt, which get flushed through bottom discharge valve, **protecting the boiler system, pumps and heat exchanger**
- Insulated cover adds a **layer of protection**

Build with your preferred fittings

We can match virtually any hydro-sep installation need. Choose from:

- 4 union base models and 6 flange base models
- A variety of sweat, thread (NPT) and press union types – each sold separately in pairs of two
- Sizes ranging from 1" to 6"

From your go-to source for all things hydronic

Only Resideo offers a complete suite of integrated, best-in-class hydronic solutions:

- Controls
- Zone Valves
- Pumps
- Components & Accessories
- Thermostatic Radiator Valves

Between the boiler and the heat emitter, we've got you covered – **one name, one source, one premier quality standard.**

[Learn more at resideo.com/pro/water](https://resideo.com/pro/water) or [contact your distributor to order.](#)



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PRODUCT SPECIFICATIONS

UNION VERSION	
Temperature range:	32°F - 230°F
Maximum working pressure	145 PSI (10 Bar)
Maximum pressure of air vent operation	102 PSI (7 Bar)
Fluids used	Water, glycol-based solution (max. 50% glycol concentration)
Separator connections	ASTM B124 UNS C37700 (CW617N EN 12165)
Air vent valve connection	1/2" F
Drain tap connections	1/2" M + pipe-holder connection
Additional frontal connection	1/2" F
FLANGE VERSION	
Temperature range	32°F - 266°F
Maximum working pressure	145 PSI (10 Bar)
Maximum pressure of air vent operation	72 PSI (5 Bar)
Fluids used	Water, glycol-based solution (max. 50% glycol concentration)
Separator connections	ASME 150 lb flange
Air vent valve connection	1/2" F
Discharge valve connection	1" F

PRODUCT OVERVIEW

SKU	DESCRIPTION
HYDROSEP-102-U	HYDRAULIC SEPARATOR UNION 1"
HYDROSEP-103-U	HYDRAULIC SEPARATOR UNION 1.25"
HYDROSEP-104-U	HYDRAULIC SEPARATOR UNION 1.5"
HYDROSEP-105-U	HYDRAULIC SEPARATOR UNION 2"
HYDROSEP-105-F	HYDRAULIC SEPARATOR FLANGED 2"
HYDROSEP-106-F	HYDRAULIC SEPARATOR FLANGED 2.5"
HYDROSEP-107-F	HYDRAULIC SEPARATOR FLANGED 3"
HYDROSEP-108-F	HYDRAULIC SEPARATOR FLANGED 4"
HYDROSEP-109-F	HYDRAULIC SEPARATOR FLANGED 5"
HYDROSEP-110-F	HYDRAULIC SEPARATOR FLANGED 6"
HS-SWEAT-102	SWEAT KIT 1"
HS-SWEAT-103	SWEAT KIT 1 1/4"
HS-SWEAT-104	SWEAT KIT 1.5"
HS-SWEAT-105	SWEAT KIT 2"
HS-NPT-102	NPT KIT 1"
HS-NPT-103	NPT KIT 1 1/4"
HS-NPT-104	NPT KIT 1.5"
HS-NPT-105	NPT KIT 2"
HS-PRESS-102	PRESS KIT 1"*
HS-PRESS-103	PRESS KIT 1 1/4"
HS-PRESS-104	PRESS KIT 1.5"
HS-PRESS-105	PRESS KIT 2"
HS-VENTUNION	AIR VENT UNION
HS-VENTFLANGED	AIR VENT FLANGED

*Only fits on HYDROSEP-103-U body