

# SRHD

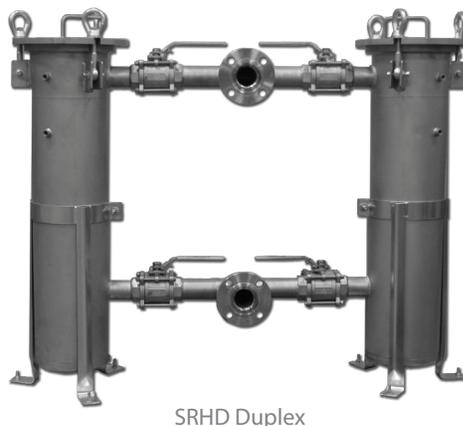
## Heavy Duty Bag Vessels

The **SRHD Heavy Duty** series is designed to handle your most difficult fluid filtration requirements. Our **SRHD** is made from heavy duty steel components and to strict quality standards, which allows our clients the ability to change from a non-stamped to an ASME UM stamped vessel at a nominal cost. The **SRHD** series incorporates our unique radial seal design that provides a hermetic seal between the basket and vessel. Utilizing a radial seal with our retainer baskets eliminates "basket rocking", which causes bypass as the basket becomes out of round. "Basket rocking" is common in low cost bag vessels that do not incorporate an O-ring seal and can cause unfiltered liquid bypass. The Strainrite Companies' **SRHD**, with a radial seal, has a machined surface that produces a positive seal to eliminate bypass. **SRHD** vessels incorporate a combination of unique qualities that places us at the top of single bag vessel design. Standard features include: a recessed basket, volume displacer welded to top cover, and a 304 stainless steel wire mesh basket to name a few. Our standard wire mesh baskets increase available filtration surface area up to 30% compared to cheaper perforated retainer baskets.



**SRHD Twin** and **SRHD Duplex** bag vessels offer economical filtration for nominally rated applications between 150 and 300 gpm.

The **SRHD Twin** filter system is comprised of two #2-size housings piped together and joined to a common header. This design divides flow equally between both housings and also reduces cost approximately 50% compared to a multi-bag housing holding 2 bags inside.



The **SRHD Duplex** filter systems offer great flexibility for continuous on-line filtration requirements. This allows for continuous operation by directing the flow from one vessel to another by opening and closing of valves. This allows one side to be serviced, while the other vessel is in use.

## ORDER GUIDE



## SRHD FEATURES

Hermetic radial o-ring sealed retainer basket: Eliminates potential for bypass and "basket rocking"	
Adjustable tri-pod stand: Offers flexibility when plumbing into an existing line	
Inlet/Outlet Orientation: Side-in Bottom-out (standard) Side-in Side-out (optional)	Pipe sizes: 0.75" to 4" NPT, RFF or quick disconnect
Standard Pressure ratings: 150 psi	Stainless Steel wire mesh basket
Swing bolt closures	0.25" NPT vent tap
Low Pressure Drop	Liquid displacers for cleaner servicing
Adjustable-height legs	Large-area, heavy-duty baskets
Built-in volume displacer in cover	O-ring seals: Buna N, EPDM, Fluorocarbon, PTFE encapsulated

## SRHD OPTIONAL FEATURES

Sanitary construction	Different outlet connections and orientations
Higher pressure ratings	Heat jacketing
ASME code stamp	Pipe or flange 1" - 4"
Custom pressure ratings: 300 psi up to 1,000 psi	Compression device
MAXX-Flow / MAXX-Trap Baskets available	

## RECOMMENDED FLOW RATES &amp; SURFACE AREA

For the following recommended flow rates, vessels need a minimum inlet/outlet size of 2" NPT. The recommended flow for basket and filter combination is for nominally rated filter bags. (High efficiency filter bags excluded)

PRODUCT	BASKET STRAINER	MESH LINED	RETAINER W/ BAG	SURFACE AREA: SQ. FT.
SRHD 1	150 gpm	100 gpm	75 gpm	2.25
SRHD 2	300 gpm	200 gpm	150 gpm	4.50

## SRHD TWIN FEATURES

Inlet/Outlet Orientation: Side-in Side-out (standard) Side-in Bottom-out (optional)	Adjustable height tripod stand
150 psi design, available to 1,000 psi	Stainless Steel wire mesh basket
Positive cover seal	Easily cleaned
Low Pressure Drop	ASME Code stamp available on all vessels

## SRHD DUPLEX FEATURES

Inlet/Outlet Orientation: Side-in Side-out (standard) Side-in Bottom-out (optional)	Adjustable height tripod stand
150 psi design, available to 1,000 psi	Stainless Steel wire mesh basket
Positive cover seal	Easily cleaned
Low Pressure Drop	ASME Code stamp available on all vessels
3-piece ball valves standard	Adjustable height tripod stand

## ORDER OPTIONS

150 PSIG standard. Contact engineering for higher pressures

VESSEL	
SRHD	Strainrite Heavy Duty Series
BAG SIZE	
1	#1 size bag*
2	#2 size bag
*Not available in Twin or Duplex	
INLET/OUTLET	
2	*2" NPT
2F	2" RFF
3	*3" NPT
3F	3" RFF
4	*4" NPT
4F	*4" RFF
*Not available in Twin or Duplex	
MATERIAL	
A	Carbon Steel
B	304 Stainless Steel
C	316 Stainless Steel
STYLE	
- Twin Duplex	Single No valves Valves
OPTIONS	
SAN	Sanitary Design
SO	*Side Outlet
SIBO	**Side In/Bottom Out
EP	Electro Polish Finish
GT	Differential Pressure Gauge Ports
ML	Mesh-Lined Basket
UM	Code Stamped
U	3rd Party ASME Code Inspected
SSB	Swing Bolts/Eye Nut Stainless Steel
MF	MAXX-Flow / MAXX-Trap Basket
*Single vessel option; side in/bottom out is standard	
**Twin / Duplex vessel option; side in/side out is standard	