

STEAM SAVER

Engineered Venturi Steam Trap

The HydroProducts Steam Saver is a precision engineered and manufactured venturi steam trap, guaranteed for performance and durability. It is fabricated from solid stainless steel stock, and is resistant to most corrosive atmospheres. It has no moving parts to wear out, eliminating the need to maintain an inventory of spare parts.

*Please consult the appropriate reference material for chemical compatibility or contact HydroProducts for additional information.



Physical Data

Material: 303 Stainless Steel, ASTM A581/A582

Tensile Strength: 90,000 psi (621 MPa)

Hardness: 145 BHN, B76 Rockwell

Machinability: Good

Weldability: Limited

Optional: 316 Stainless Steel, ASTM A276

Tensile Strength: 80,000 psi (552 MPa)

Hardness: 142 BHN, B78 Rockwell

Machinability: Good

Weldability: Excellent

Operating Pressure: to 250 psig threaded

to 1200 psig socket weld

Operating Temperature: to 800°F

Capacity: Design capacities exceeding 20,000 lbs./hr.

Sizes: ½", ¾" and 1" NPT and BSPT threaded,

1" and 1 ¼" socket weld

Features

- Manufactured from long lasting stainless steel.
- Guaranteed to last for a minimum of 10 years.
- No moving parts.
- Resistant to most corrosives.
- Compact size makes installation simple and attractive.
- Available in NPT, BPS, and socket weld (male) ends.
- Custom engineered for each application.

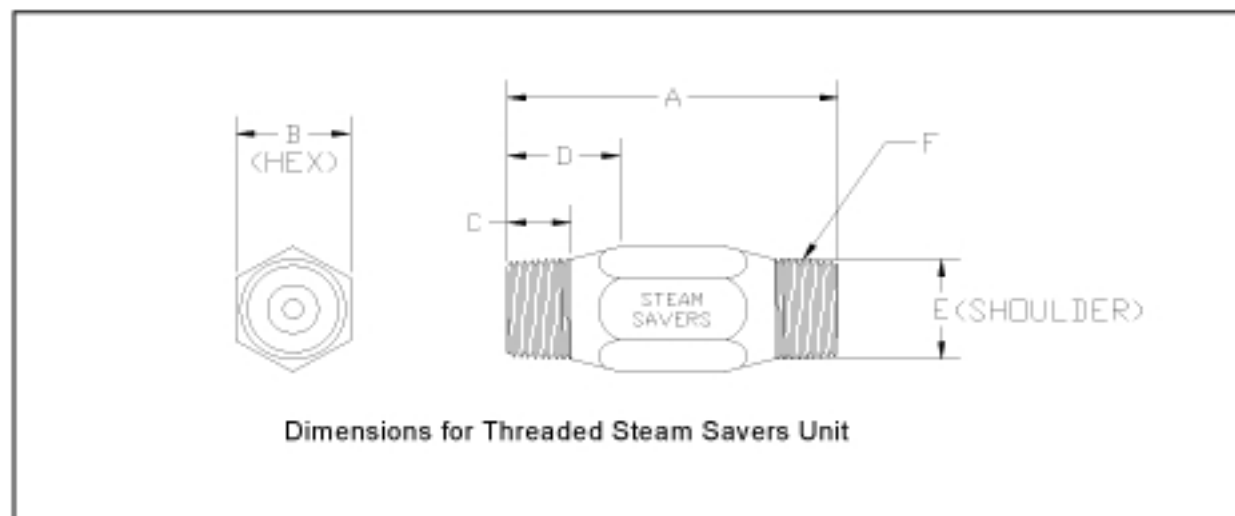
Applications

The HydroProducts Steam Saver is one of the most efficient traps available today. Its patented design promotes the efficient removal of condensate from the steam system while effectively preventing the escape of live steam. It is suitable for most industrial and commercial applications involving saturated steam. In addition, the Steam Saver has no moving parts to wear out. It can be installed in areas that are not accessible during normal operations with the assurance that the trap will perform as designed for over 10 years. We guarantee it.

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Dimensions – Threaded Units



Size	A	B	C	D	E	F
½"	2.750"	1.125"	0.660"	1.100"	0.850"	½" NPT
¾"	3.250"	1.125"	0.625"	1.110"	1.036"	¾" NPT
1"	3.250"	1.375"	1.000"	1.340"	1.336"	1" NPT

Dimensions – Socket Weld Units

1" 1.315" O.D.** (from 1-3/8" stock) x 4" long

1 ¼" 1.660" O.D.** (from 1-3/4" stock) x 5.40" long

** O.D. of units is sized to fit socket weld strainer on the inlet and socket weld flange on the outlet.

Notes

1. Typical installation includes a stainless steel "y"-strainer and blowdown valve upstream of each trap included in the HydroProducts Steam Saver System price.
2. Applications involving higher pressures than stated above are possible. Please contact HydroProducts for technical assistance.
3. Traps for pipe sizes other than those shown are not standard, but may be manufactured to the customer's specifications.
4. Socket weld units are fabricated from 316 stainless steel due to the limited weldability of 303 stainless steel.