UNIVERSAL STYLE STEAM TRAPS

WSIB450

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Inverted Bucket **Steam Trap Module** (mounts to Universal Connectors)

Model	**WSIB450, WSIB450H**
Connections	**Fits WU450 Series universal connectors**
Body Material	**Stainless Steel**
PMO Max. Operating Pressure	**450 PSIG***
TMO Max. Operating Temperature	**800°F**
PMA Max. Allowable Pressure	**720 PSIG @ 100°F**
TMA Max. Allowable Temperature	**800°F @ 400 PSIG**

**750°F @ operating pressures below 400 PSIG. See installation note regarding using trap in superheated applications.*

Steam trap modules can be used with other manufacturers' Universal Connectors.

WSIB450 Inverted Bucket Steam Trap Module

TYPICAL APPLICATIONS

DRIP, TRACER: The **WSIB450** inverted bucket steam trap module, mounted to a universal connector, is typically used for drip and tracing applications. Also used on process equipment with light loads and where air removal is not critical. The WSIB450 trap module mounts to any universal connector.

HOW IT WORKS

The universal connector is permanently installed into the pipeline where the steam trap would normally be placed. The trap module is bolted to the universal connector with two bolts and sealed with a gasket. When a new trap module is needed, it can be easily removed and replaced with a standard open-end or socket wrench without disturbing the existing piping.

SAMPLE SPECIFICATION

The steam trap shall be an all stainless steel modular design, inverted bucket type with a frictionless valve lever assembly. The trap shall have a 360 degree swivel mount on a stainless steel Universal Connector that is available with integral strainer and blowdown valve options.

INSTALLATION & MAINTENANCE

Trap module must be installed in orientation shown. Installation should include isolation valves. With superheated steam, a check valve must be installed at inlet of trap. For full maintenance details, see Installation and Maintenance Manual.

OPTIONS

Universal Connectors are available with an integral strainer and blowdown valve. Connector is purchased separately. See the WU450 Universal Connectors section for more information.

FEATURES

- **Trap module can be easily removed and replaced in minutes without having to disconnect any piping**
- **Hardened stainless steel valves and seat**
- **Freeze resistant**
- **Connectors available with integral strainers and blowdown valves**
- **360° swivel design for convenient installation**

MATERIALS

Body	Stainless Steel GR CF3
Cover	304L Stainless Steel
Internals	300 Series Stainless Steel
Valve Plug & Seat	420F Stainless Steel
Bolts	ASTM A193 GR B7
Gasket	Spiral-Wound 304 Stainless Steel with Grafoil Filler
Swivel Flange	303 Stainless Steel

CAPACITIES – *Condensate (lbs/hr)*

Model	Orifice Size	PMO (PSIG)	Differential Pressure (PSI) 5	10	15	20	25	30	40	50	60	70	80	100	125	150	180	200	250	350	450
WSIB450-20	3/16"	**20**	450	560	640	690															
WSIB450-80	1/8"	**80**	300	350	400	440	460	500	550	580	635	660	690								
WSIB450-150	#38	**150**	210	250	280	300	320	350	380	400	420	450	470	500	550	570					
WSIB450-450	.057	**450**	31	50	70	84	95	105	120	133	145	152	160	174	187	198	208	215	228	248	263
WSIB450H-15	1/4"	**15**	830	950	1060																
WSIB450H-30	3/16"	**30**	530	700	820	880	950	1000													
WSIB450H-70	5/32"	**70**	380	500	560	620	680	710	770	840	900	950									
WSIB450H-125	1/8"	**125**	285	375	440	485	530	560	620	670	720	780	800	860	950						
WSIB450H-200	7/64"	**200**	205	265	315	350	385	410	465	500	580	590	620	650	700	810	840	860			
WSIB450H-250	#38	**250**	155	205	240	270	295	320	360	400	500	530	550	580	630	660	690	710	760		
WSIB450H-450	.057	**450**	31	50	70	84	95	105	120	133	145	152	160	174	187	198	208	215	228	248	263

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