



Description

1. A simple and robust mechanical structure, long service life.
2. Use built-in check valve model can be used for superheated steam.
3. The valve devices can accurately match with the load and pressure.
4. The depth of the water seal to effectively prevent vapor leakage.
5. A variety of body materials and connection broad applications.
6. Resistance to dirt, small particles of impurities to go out through the top of the orifice.

Selection of possible applications

The interior of the inverted bucket steam trap is one of the most strong steam traps among mechanical steam trap, and its strength are shown as follows: can resist water hammer and drain non-condensing air continuously.

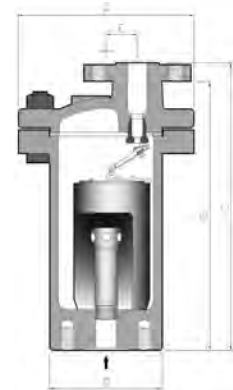
Selection of possible flow media

Steam

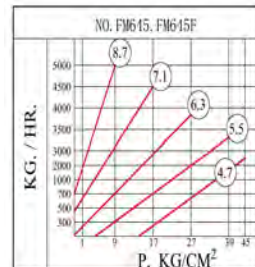
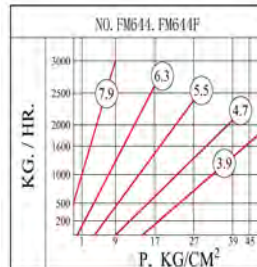
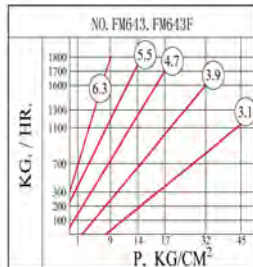
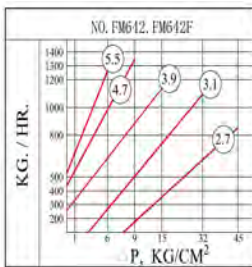
FM Inverted bucket steam traps
FM600 series Inverted bucket steam traps

Dimensions and Weights(mm/kg)

Type	Sizes	A	B	C	D	E	S-Weights	F-Weights
642	15.20	171	259	313	121	32	14	15
643	20.25	203	292	352	130	37	22	23
644	25.32	219	348	408	146	38	34	36
645	25.32.40	248	381	446	169	45	42	44
646	40.50	302	435	500	218	54	73	75



Capacities(Drainage line side number is pore size)

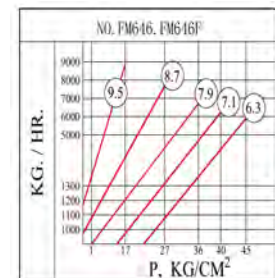


Size and connections

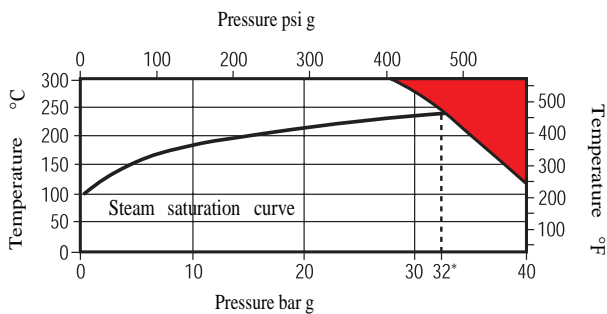
½", ¾", 1", BSP/NPT Butt welding EN 12 627 Socket welding Class 300DN15, DN20 , DN25 . Flange EN 1092-1 PN40,ANSIB 16.5 Class 150 ANSI300

Materials

Body&Cover	Cast steel	ASTM 216-WCB/DIN 1691 GG20
Bolts	steel	ASTM 216-WCB
Nuts	steel	ASTM 216-WCB
Gasket	Nickel Reinforced Exfoliated Graphite	
Internals	Stainless steel	



Temperature and Pressure limits



Limits (ISO 6552)

conditions

PMA -

TMA -

maximum cold hydraulic test pressure of:

580 psi/PN40

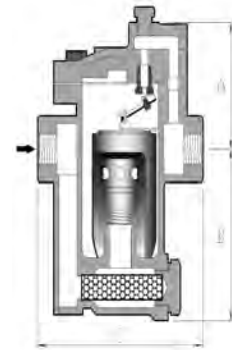
580 psi g/40 bar g

572°F/300°C

870 psi/60 bar

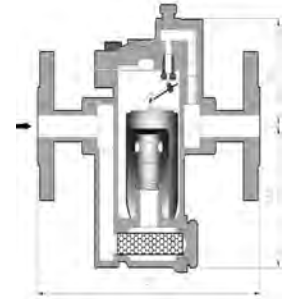
Dimensions and Weights(mm/kg)

Type	Sizes	A	B	C	Weights
680	15.20	73	100	100	3
681	15.20.25	105	134	134	5
683	25.32.40	117	196	196	20
685	40.50	145	250	250	43
686	50.65.80	210	275	310	78



Dimensions and Weights(mm/kg)

Type	Sizes	A	B	150#F	300# F	600# F
680F	15	73	100	216	216	
	20	73	100	228	234	
681F	15.	105	134	219	219	229
	20	105	134	231	237	237
	25	105	134	236	245	245
683F	25	117	196	305	314	314
	40	117	196	316	324	327
685F	40	145	250	366	374	377
	50	145	250	372	385	391
686F	50	210	275	417	430	436
	65	210	275	430	442	449
	80	210	275	430	449	455



Limits (ISO 6552)

conditions

PMA -

TMA -

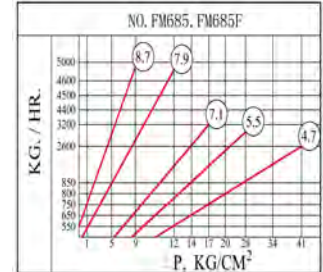
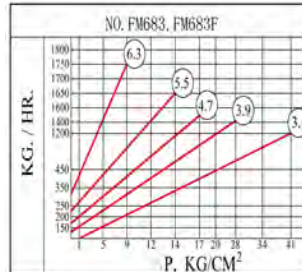
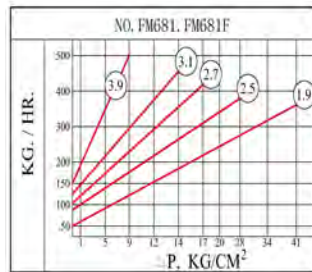
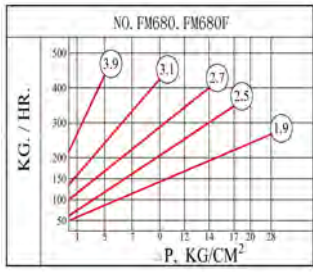
maximum cold hydraulic test pressure of:

580 psi/PN40
 580 psi g/40 bar g
 572°F/300°C
 870 psi/60 bar

Materials

Body&Cover	Cast steel	ASTM 216-WCB/DIN 1691 GG20
Bolts	steel	
Nuts	steel	
gasket	Nickel ReinforcedExfoliated Graphite	
Internals	Stainless steel	

Capacities(Drainage line side number is pore size)



Accessories:

Sewage lines

Connected cover of stainless steel wire, through the Invert Bucket to prevent oil and other plugged vent.

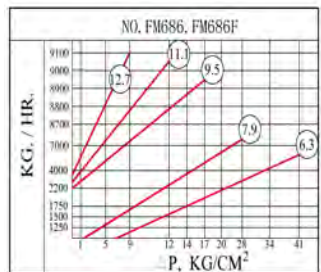
Temperature controller

Front-end filter can be used to install the temperature sensor trap to monitor the internal temperature to determine whether it is working normal.

Bleed Valves

Steam and impurities within the filter can be emissions.

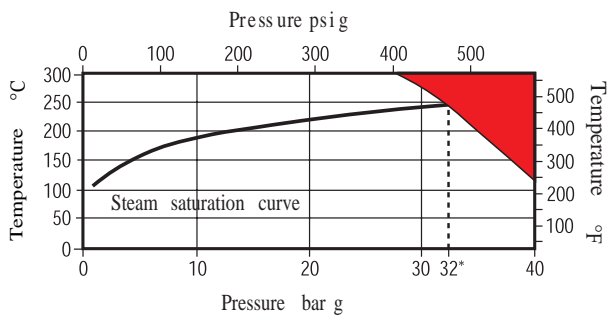
Inverted Bucket



Size and connections

1/2, 3/4, 1, 1.5, 2, 3" BSP/NPT DN15, DN20 和 DN25-DN80 Flange PN40 ANSI 150 和 300

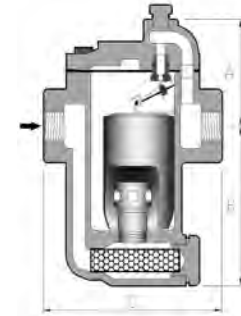
Temperature and Pressure limits



FM900 series Inverted bucket steam traps

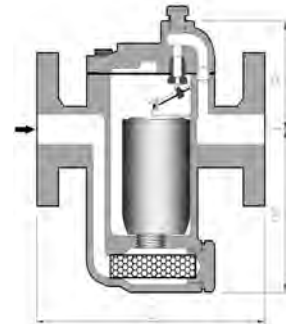
Dimensions and Weights(mm/kg)

Type	Sizes	A	B	C	Weights
980	15.20	76	70	128	2.2
981	15.20.25	76	100	128	2.8
982	20.25	96	137	170	7.0
983	25.32	121	193	202	14.0
984	32.40	150	212	232	21.0
985	40.50	148	248	250	26.0



Dimensions and Weights(mm/kg)

Type	Sizes	A	B	C	Weights
991	15.20.25	76	100	170	5
992	20.25	94	137	218	10
993	25	121	193	253	18
994	32.40	150	212	279	27
995	40.50	148	248	304	29
996	50.65.80	214	242	374	45



Accessories:
 Sewage lines

Connected cover of stainless steel wire, through the Invert Bucket to prevent oil and other plugged vent.

Temperature controller

Front-end filter can be used to install the temperature sensortrap to monitor the internal temperature todetermine whether it is working normal.

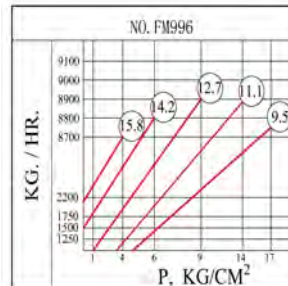
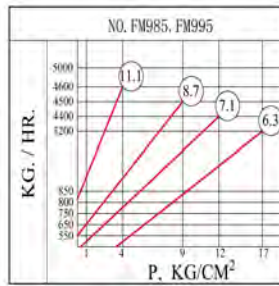
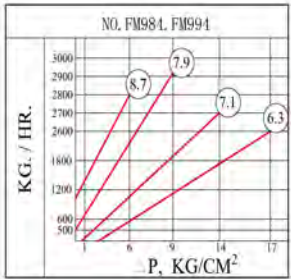
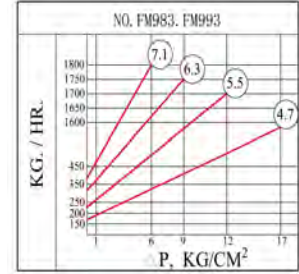
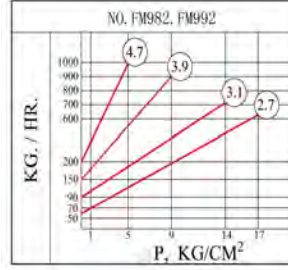
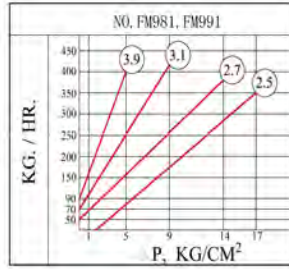
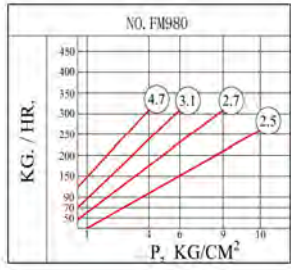
Bleed Valves

Steam and impurities within the filtercan be emissions.

Inverted Bucket



Capacities(Drainage line side number is pore size)



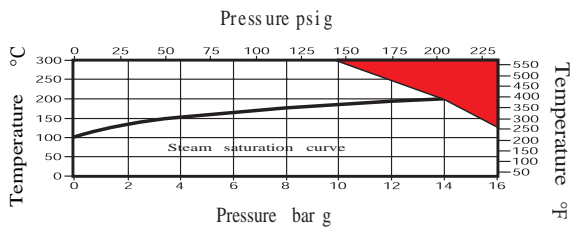
Size and connections

1/2, 3/4, 1, 1-2" BSP/NPT DN15, DN20 -DN80 Flange DIN2543-2545/EN1092-1, ANSI B1.6.5 class 150/300

Materials

Body&Cover	Cast steel	ASTM 216-WCB/DIN 1691 GG20
Bolts	steel	ASTM 216-WCB
Nuts	steel	ASTM 216-WCB
Strainer screen	Stainless steel	ASTM A240 316L
gasket	Nickel Reinforced Exfoliated Graphite	
Internals	Stainless steel	

Temperature and Pressure limits

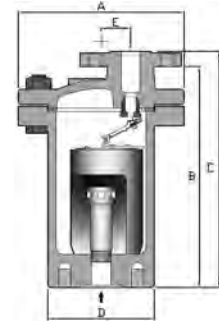


Limits (ISO 6552)

conditions 232 psi/PN16
 PMA - 231 psi g/16 bar g
 TMA - 572°F/300°C
 maximum cold hydraulic test pressure of: 348 psi g/24 bar g

Dimensions and Weights(mm/kg)

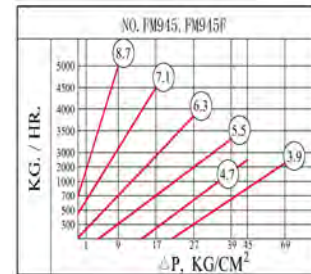
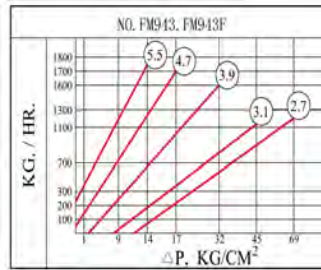
Type	Sizes	A	B	C	D	E	S-Weights	F-Weights
943	15.20.25	219	305	378	135	37	30	33
945	25.32.40	273	379	459	175	45	56	62
946	40.50	318	448	546	216	54	89	91



Size and connections

1/2" -2" Flange ANSI 150, 300, 600 Socket welding
ANSI B 16.11 Butt welding ANSI B 16.25

Capacities(Drainage line side number is pore size)



Materials

Body&Cover	Forged steel	ASTM A350/DIN 1691 GG20
Bolts	steel	ASTM 216-WCB
Nuts	steel	ASTM 216-WCB
Internals	Stainless steel	

Limits (ISO 6552)

conditions

PMA -

TMA -

maximum cold hydraulic test pressure of:

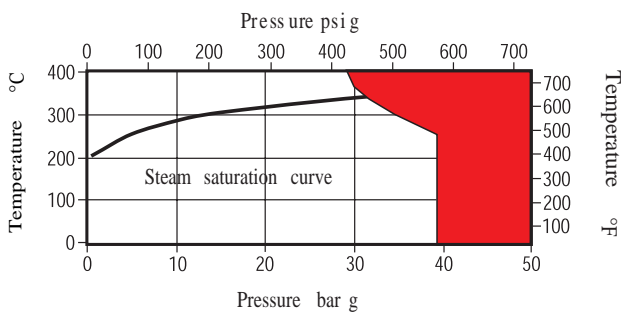
580 psi/40 bar

592 psi g/41 bar g

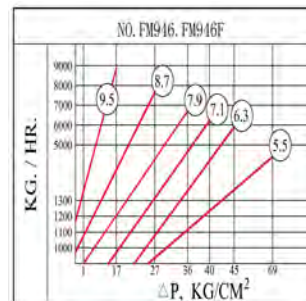
752°F/400°C

899 psi/62 bar

Temperature and Pressure limits



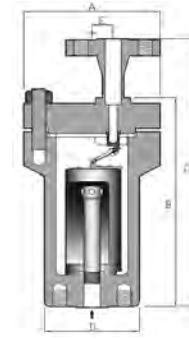
Capacities(Drainage line side number is pore size)



FM1500 series Inverted bucket steam traps

Dimensions and Weights(mm/kg)

Type	Sizes	A	B	C	D	E	S-Weights	F-Weights
1543	15.20.25	216	362	426	146	34	45	48
1545	25.33.40	264	413	505	194	45	88	95
1547	25.32	299	613	714	213	45	135	140



Materials

Body & Cover	Forged steel	ASTM A350/DIN 1691 GG20
Bolts	steel	ASTM 216-WCB
Nuts	steel	ASTM 216-WCB
Internals	Stainless steel	

Limits (ISO 6552)

conditions

PMA -

TMA -

maximum cold hydraulic test pressure of:

PN 63

62 bar g

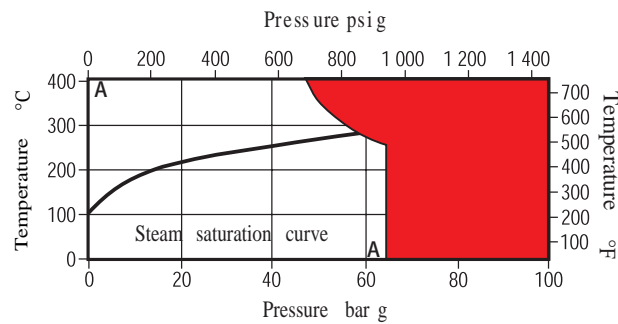
400° C

93 bar g

Size and connections

½" -2" Flange ANSI 150, 300, 600 Socket welding ANSIB 16.11 Butt welding ANSIB 16.25

Temperture and Pressure limits



Capacities(Drainage line side number is pore size)

