

Inverted Bucket Steam Trap

No. DBT-980, 991, 40 SERIES

This cast iron inverted bucket steam traps with conventional frictionless mechanism and patented check valve which can resist water hammer and prevent losing prime. The unique combinations make inverted bucket steam traps superior in service years and reliable in full time of operation.



980 Series



991 Series



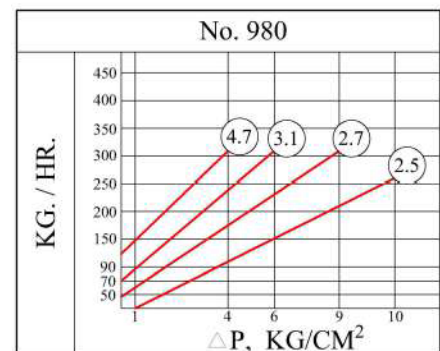
40 Series

■ Features

- Excellent resistance to wear and corrosion resistance.
- Excellent ability to handle dirt and purge system
- small dribble at no load, intermittent at light and normal load, continuous at full load.
- Vents air and CO_2 at steam temperature.
- Excellent operation against back pressure.
- Immediate responsiveness to slugs of condensate.

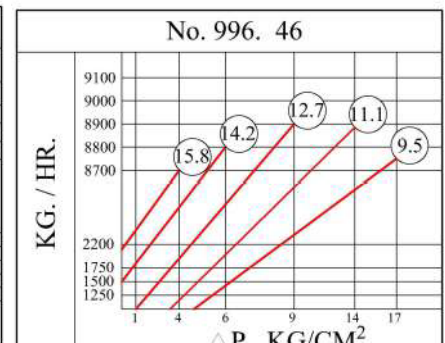
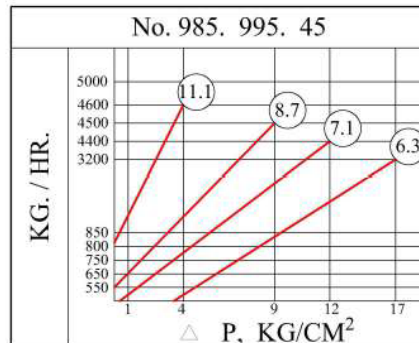
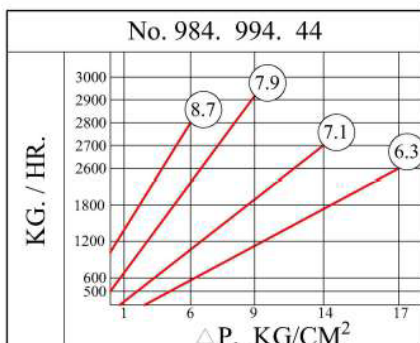
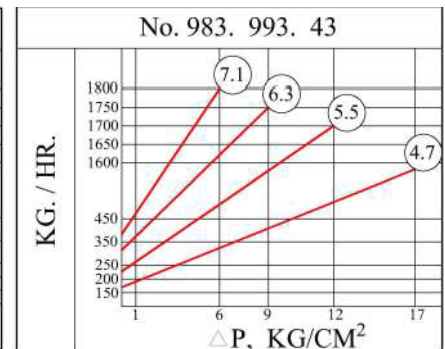
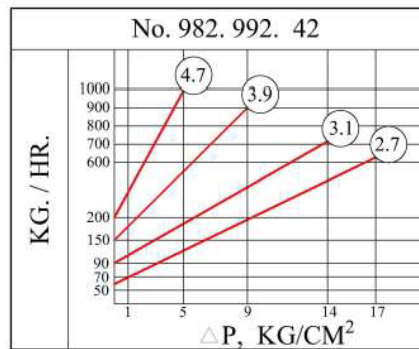
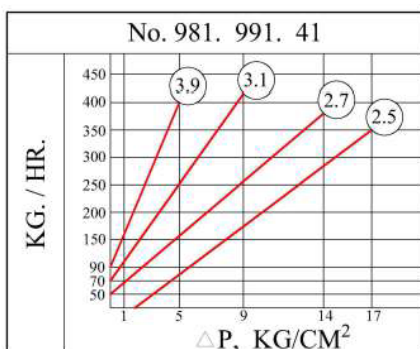
■ Specifications

Type		980, 40 Series	991 Series
Applicable pressure		Max. 17 kgf/cm ²	
Applicable temperature		230°C below	
End connection		BSPT, NPT SCREW	JIS10K, PN16 RF FLANGE
Materials	Body	FC22 CAST IRON	
	Bucket	STS	
	lever	STS	
	Seat	STS	
	Strainer	STS	
	Check valve	STS	
Hydraulic test pressure		1.5 times of applicable flange rating	



No.980 MOP 10KG/CM2 ONLY

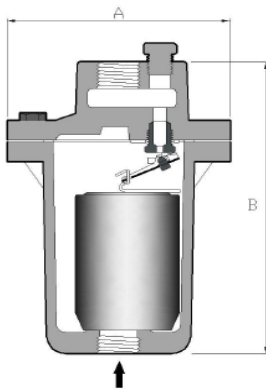
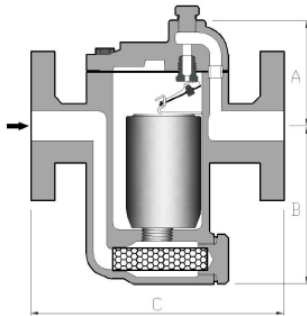
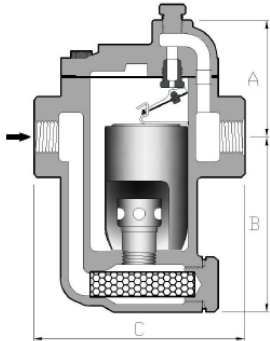
■ Flow curve





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■ Dimensions: No.980 Series

No.	Size	A	B	C	Weight(kg)
980	15. 20	76	70	128	2.2
981	15. 20. 25	76	100	128	2.8
982	20. 25	96	137	170	7
983	25. 32	121	193	202	13
984	32. 40	150	212	230	21
985	40. 50	148	248	240	26

*NPT. BSPT. AVAILABLE

*No. 2 and smaller do not include an inner tube and check valve; please specify if these are required.

■ Dimensions: No.991 Series

No.	Size	A	B	C	Weight(kg)
991	15. 20. 25	76	100	170	4.6
992	20. 25	94	137	218	9
993	25	121	193	253	15
994	32. 40	150	212	283	25
995	40. 50	148	248	304	30
996*	50. 65. 80	214	256	374	45

*JIS 10K flanges are the standard specification; please contact the factory for other specifications.

*Model No. 996 does not include a strainer.

*No. 2 and smaller do not include an inner tube and check valve; please specify if these are required.

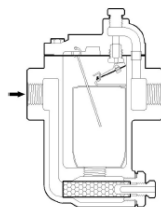
■ Dimensions: No.40 Series

No.	Size	A	B	Weight(kg)
41	15	108	62	2.8
42	20	133	203	5.5
43	25	162	273	9.5
44	32	184	314	16
45	40	216	380	22

*NPT. BSPT. AVAILABLE

*No. 2 and smaller do not include an inner tube and check valve; please specify if these are required.

■ Accessories



SCRUBBING WIRE – SW

A stainless steel wire put on cap to prevent clogging vent hole of bucket during operation.



BLOWDOWN VALVE – BV

For manual blow-down to discharge dirt form strainer.

No.980~992 with 3/8" PT

BV connection

No.983~995 with 3/4" PT

BV connection



CHECK VALVE – CV

Cast iron inverted bucket steam traps are furnished with check valves as standard. The CV & SW can not be installed in one body.