

STEAM TRAP COMPARISON CHART

SPECS	MARK 93	MARK 93JR	MARK 93TH	MARK 94	MARK 934
PHOTO					
SIZE	1/2", 3/4", 1", 1-1/2" (DN15, DN20, DN25, DN40)	1.4", 1/2", 3/4", 1" (DN8, DN15, DN20, DN25)	1.4", 3/8", 1/2", 3/4", 1" (DN8, DN10, DN15, DN20, DN25)	3/4", 1", 1-1/2" (DN20, DN25, DN40)	1", 1-1/2", 2" (DN25, DN40, DN50)
CONNECTION	ASME, DIN, ISO Tri-Clamp, Tube Weld	ASME, DIN, ISO Tri-Clamp, Tube Weld	Standard: NPT; Optional: BSP, EN ISO 228-1	ASME, DIN, ISO Tri-Clamp, Tube Weld	ASME, DIN, ISO Tri-Clamp, Tube Weld
INSTALLATION	Vertical, Horizontal	Vertical	Vertical	Vertical, Horizontal	Vertical, Horizontal
BODY RATING	145 psig (10 barg) @ 350°F (177°C)				
MAX DP	10 - 50 psi (0,7 - 3,4 bar); P: 45 - 90 psi (3,1 - 6,2 bar)	10 - 100 psi (0,7 - 6,9 bar)	10 - 50 psi (0,7 - 3,4 bar) P: 45 - 90 psi (3,1 - 6,2 bar)	5 - 50 psi (0,34 - 3,5 bar)	50 psi (3,5 bar)
CV (KV)	3.8 (3,30)	Cold water 1.31 (1,13)	Cold water 1.63 (1,41)	4.0 (3,45)	5.7 (4,93)
ELEMENT TYPE	Balance Port Bellow Thermostatic				Balanced Port Bellow Thermostatic (Dual)
SUBCOOL TEMPERATURE	<3°F (<1,7°C)				
FILLED FLUID	Meets FDA/ICH Q3C/FDA Class 3 criteria designation				
BODY MATERIAL	ASTM A479 316L				
ELEMENT MATERIAL	316L Stainless Steel				
SURFACE FINISH INTERNAL	ASME BPE SF1, 20 ra µin (0,5 µm)				
SURFACE FINISH OPTION	Electropolish: SF5, 20 Ra µin (0,5 µm)				
SURFACE FINISH EXTERNAL	Mechanical 40 Ra µin (1,µ0 m)				
CERTIFICATION STANDARD COMPLIANCE	PED-SEP, EN 10204 3.1, FDA CFR 21.177.2600, USP <88> Class VI, Optional ADI TSE free				
GASKET	FDA and USP Class VI compliant				