

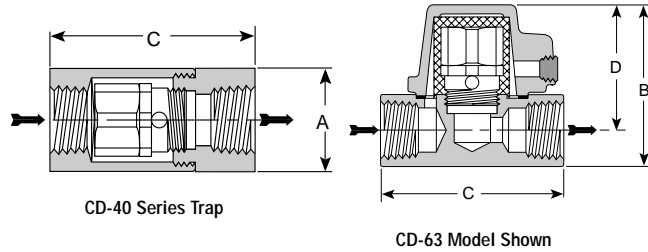


CD-40 and CD-60 Series Controlled Disc Steam Trap

Carbon Steel

For Pressures to 600 psig (41 bar)...Capacities to 2,850 lb/hr (1,295 kg/hr)

Steam Trapping and Steam Tracing Equipment



Description

Armstrong CD-40 and CD-60 Series controlled disc traps contain a replaceable capsule, making it possible to renew a worn trap by simply replacing the capsule. A heating chamber in the shell ensures consistent operation. This steam jacket provides a relatively constant temperature in the control chamber regardless of ambient conditions. Cycling rate is controlled and does not increase when the trap is exposed to cold winds, rain or snow. CD-40 Series traps are also available with optional integral .045 perforated stainless steel strainer screens. CD-60 Series traps contain integral strainers with ratios of open area to inside area of pipe that equal or exceed those of most separate "Y" type strainers.

Maximum Operating Conditions

Maximum allowable pressure (vessel design):
 Model CD-40 600 psig @ 500°F (41 bar @ 260°C)
 Model CD-60 600 psig @ 750°F (41 bar @ 399°C)

Maximum operating pressure: 600 psig (41 bar) at saturated steam temperature
 Minimum operating pressure: 10 psig (0.7 bar)

Connections

Model CD-40 and CD-60 Screwed NPT and BSPT
 Model CD-60 Socketweld

Materials Model CD-40

Body: Carbon steel—C-1215
 Control chamber: Hardened stainless steel
 Disc: Hardened stainless steel
 Capsule body: Hardened stainless steel
 Strainer screen (option): Stainless steel

Materials Model CD-60

Body: ASTM A216 WCB
 Cap: ASTM A216 WCB or ASTM A105
 Control chamber: Hardened stainless steel
 Disc: Hardened stainless steel
 Capsule body: Hardened stainless steel
 Strainer screen: 20 x 20 mesh stainless steel

Option

CD-40 Series integral strainer screen (.045 perforated stainless steel)

Specification

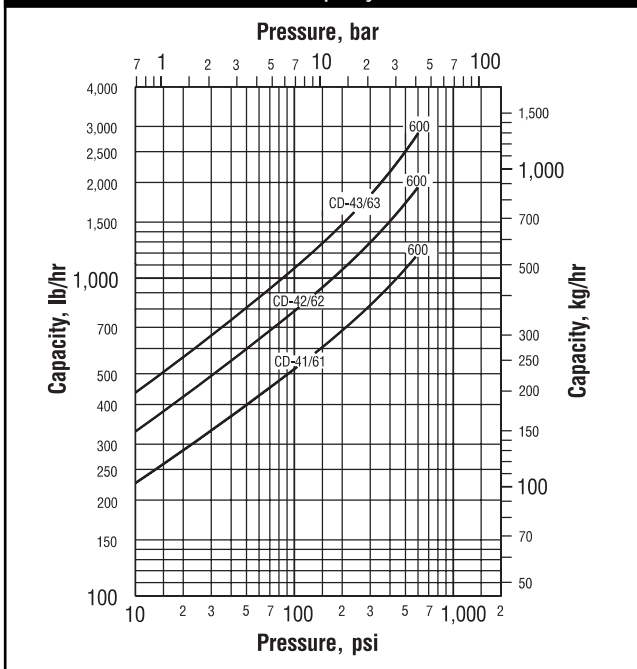
Controlled disc steam trap, type ... in carbon steel. CD-60 includes integral strainer. Maximum allowable pressure 600 psig.

How to Order

- Specify model number
- Specify size and type of pipe connection
- Specify any options required

For a fully detailed certified drawing, refer to CD #1020.

Models CD-41/61, 42/62 & 43/63 Capacity



Capacities given are continuous discharge capacities in pounds and kilograms of hot condensate per hour at pressure differential indicated with condensate temperatures approximately 25°F (14°C) below steam temperatures.

NOTE: CD traps can operate with minimum of 2 psi (.15 bar) inlet pressure and a maximum of 80% back pressure. However, for best results, inlet pressure should not drop below 10 psi (.70 bar) and back pressure should not exceed 50% of inlet pressure.

CD-40 and CD-60 Series Controlled Disc Traps

Model No.	CD-41*		CD-42*		CD-43*		CD-61		CD-62		CD-63					
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm				
Pipe Connections	3/8	10	1/2	15	3/4	20	1	25	3/8	10	1/2	15	3/4	20	1	25
"A" (Diameter)	1-1/4	31.7	1-1/4	31.7	1-5/8	41.3	2-3/8	60.3	—	—	—	—	—	—	—	—
"B" (Height)	—	—	—	—	—	—	—	—	2-3/4	66.7	2-3/4	66.7	3-1/2	87.3	4-1/4	108
"C" (Length)	3	76.2	3-13/32	86.5	3-15/16	100.0	4-5/8	117.5	3-1/2	88.9	3-1/2	88.9	4-5/8	117	4-3/4	122
"D" (℄ to Top of Cap)	—	—	—	—	—	—	—	—	2-1/8	50.8	2-1/8	50.8	2-3/4	68.3	3-5/16	84.1
Weight lb (kg)	3/4 (0.3)		3/4 (0.3)		1-3/4 (0.8)		4-1/4 (1.9)		2-3/4 (1.2)		2-1/2 (1.1)		4-3/4 (2.2)		6-3/4 (3.1)	

*Optional integral strainer available.

All dimensions and weights are approximate. Use certified print for exact dimensions. Design and materials are subject to change without notice.