

Features of the DK series

- Discharge with virtually no banking-up
- Robust, insensitive regulator
- Installation in any position
- Max. admissible back pressure 80 % of the upstream pressure

Application

Type		
DK 45		Rhombusline body with enclosed, weather-resistant regulator for discharging steam lines and tracing systems without banking-up of condensate
DK 47-L DK 57-L		Compact steam trap for small condensate flowrates for discharging steam lines and tracing systems without banking-up of condensate
DK 47-H DK 57-H		Compact steam trap for large condensate flowrates for discharging steam lines and tracing systems without banking-up of condensate

Pressure/Temperature Ratings

Type	PN / Class	Δ PMX [bar]	Material		Pressure/Temp. Rating ¹⁾			
			EN	ASTM	PMA [bar]	TMA [°C]	p/T [bar/°C]	
DK 45	PN 40	32	1.0460	A105	40.0	450	27.6 / 300	13.1 / 450
DK 47	PN 63 / Class 600	42	1.4027 ²⁾	A743-CA40	63.0	400	50.0 / 300	42.0 / 400
DK 57	PN 63 / Class 600	42	1.4021 ²⁾	AISI420	63.0	400	50.0 / 300	42.0 / 400

¹⁾ Limits for body/cover. Functional requirements may restrict the use to below the limits quoted.

For full details on limiting conditions depending on end connection and type of regulator see data sheet.

²⁾ ASTM nearest equivalent is stated for guidance. Physical and chemical properties comply with EN.

Available End Connections and Overall Length

Type	Connections	Overall length (L) in mm			
		DN 10 3/8"	DN 15 1/2"	DN 20 3/4"	DN 25 1"
DK 45	Flanged EN PN 40	–	150	150	160
	Flanged ASME 150 ¹⁾	–	150	150	160
	Flanged ASME 300 ¹⁾	–	150	150	160
	Screwed sockets	–	95	95	95
	Socket-weld (SW)	–	95	95	95
	Butt-weld (BW)	–	200	200	200
DK 47-L	Screwed sockets	78	78	90	95
DK 47-H	Screwed sockets	–	78	90	95
DK 57-L	Screwed sockets	55	65	80	–
DK 57-H	Screwed sockets	–	70	80	90

¹⁾ DK 45 with flanged ASME: Overall length 172 mm on request.

Thermodynamic Steam Traps DK
PN 40, PN 63/Class 600



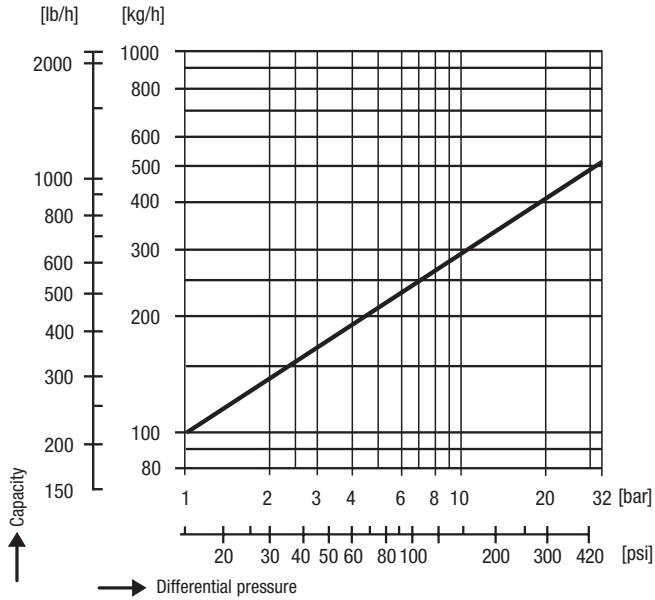
Capacity Charts

The charts show the maximum hot condensate capacities.

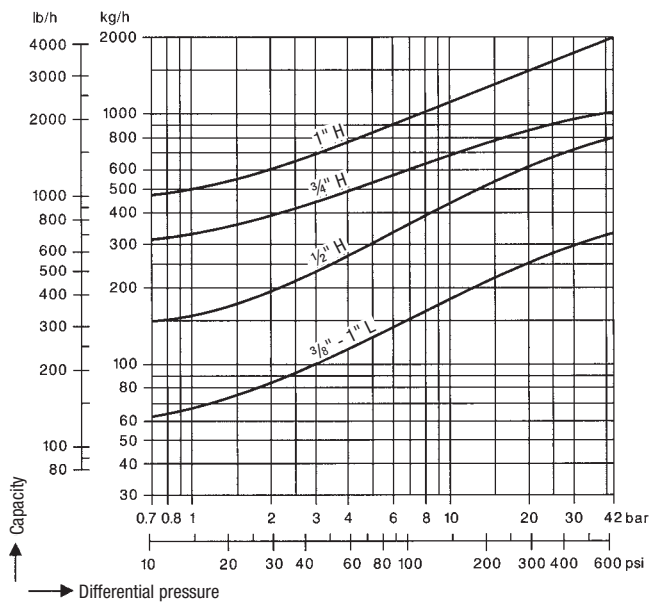
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DK 45



DK 47



DK 57

