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Return Connectors
Submittal - Page 1 of 2

Job or Customer :	
Location :	
Engineer :	
❑ Complies with Spec ❑ Alternate	Notes :
Contractor :	
HeatLink Rep :	
Submitted By :	Date :
Approved By :	Date :
P.O. Number :	Date :

Description

Provides balancing for miscellaneous supplemental heating units (eg. towel warmers). Gives a clean exposed finish when used with the zone valves in supplemental heat applications.

Separate presetting cone for consistent presetting, adjustable with a screw driver. The advantage of using a manifold is that balancing can be done at the manifold instead of at the valve.

Can be shut off with a hexagonal key SW 5, so that the preset value is not changed when opening or closing.

Body made of corrosion-resistant bronze and is nickel plated.

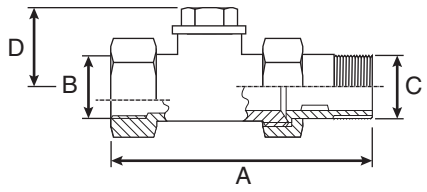
Technical Data

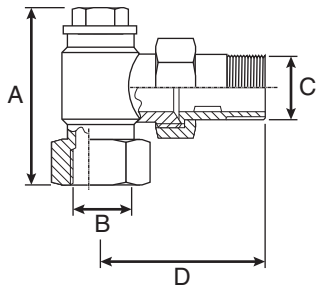
Material:..... Bronze
Max. Operating Temperature:..... 120°C / 248°F
Max. Operating Pressure:..... 10 bar / 335 ft head
Thread - Body:..... NPT
Thread - Nipple:..... NPT

Standards / Listings

n/a

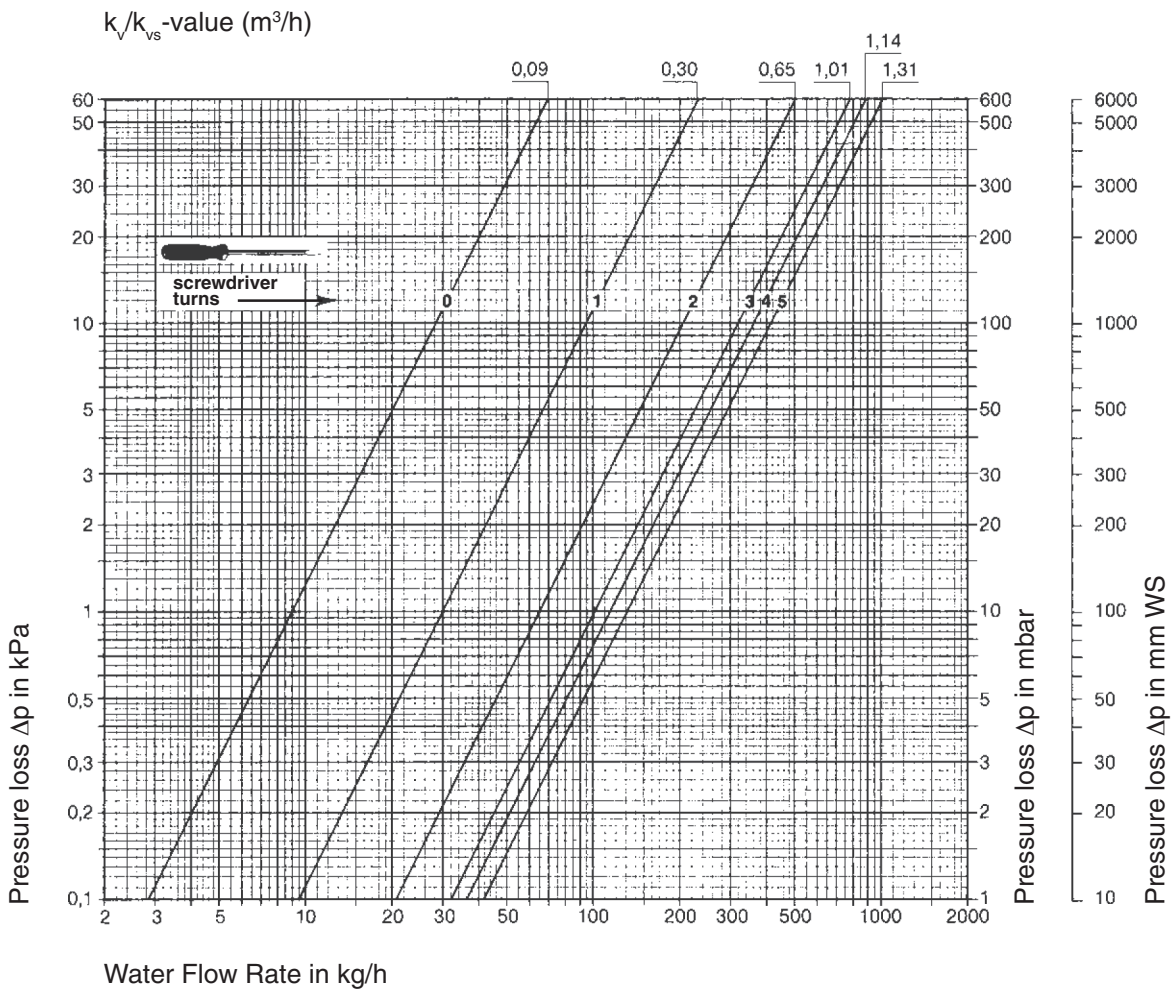
				Dimension						
Qty	Size	Type	Stk. #	A	B	C		Cv	Kv	Weight
	1/2"	Straight	61016	3-1/2" (88 mm)	1/2" FIP	1/2" MIP	1-5/16" (33.5 mm)	1.6	1.35	8.8 oz (250 g)
	1/2"	90° Angle	61116	2-1/8" (54 mm)	1/2" FIP	1/2" MIP	2-5/16" (58 mm)	1.6	1.35	8.8 oz (250 g)





Head Office: 4603E - 13th Street NE, Calgary, AB, T2E 6M3
Mississauga Office: 1555 Bonhill Road, Unit #7, Mississauga, ON, L5T 1Y5
Grand Rapids Office: 1000 - 100th Street SW, Suite B, Byron Center, MI, 49315
Toll Free: 1-800-661-5332 • Canada Fax: 1-866-450-1155 • USA Fax: 1-800-869-6098

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Example:

Target:	Preset value	
Given:	Differential pressure to be throttled	Δp = 82 mbar
	Heat flow	$\dot{Q}$ = 2000 W
	Temperature spread	Δt = 20 K (70/50°C)
Solution:	Mass flow	$\dot{m} = \frac{\dot{Q}}{c \cdot \Delta t} = \frac{2000}{1{,}163 \cdot 15}$ = 86 kg/h
	No. of screwdriver turns	= 1.0 (from the diagram)

Formula:

$C_v = \frac{k_v}{0.86}$

$k_v = C_v \cdot 0.86$

Installation
Installation must follow all of HeatLink's instructions and guidelines, including those in the Installation Guide.

Related Documents
- HeatLink Installation Guide (L3390)
- Component Warranty

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