

Data Sheet

Return Temperature Limiter Type FJVR - Sensor and Valve Body

Application





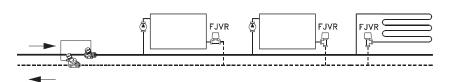
The return limiter type FJVR automatically controls the return temperature from radiators, convectors and floor heating pipes.

imal circulation in the pipe system up to the heat

FJVR is a self-acting P-band regulator, used in 2-pipe systems with pump.

In ventilation systems FJVR ensures a certain min-FJVR valve bodies are nickel-plated.

System



Data and Ordering

Sensors

exchanger.

Туре	Colour	Setting range	Code no.
	White RAL 9010	10 - 50 °C	003L1040
FJVR Return Temperature Limiter	White RAL 9010	10 - 80 °C	003L1070
	Chrome	10 - 50 °C	003L1072

Valve bodies

Valve bodies	Con	nections	k _{vs} ²⁾	Max. pressure		Max. water	Code no.	
valve boules	Inlet	Outlet 1)	ĸ _{vs} ′	Working	Different. ³⁾	Test	temp.	code no.
FJVR 10, angle	R ³ / ₈	$R_{p}^{3}/_{8}$	0.39		r 1 bar	16 bar	120 °C	003L1009
FJVR 10, straight	Γ / ₈	Np /8	0.59	10 bar				003L1010
FJVR 15, angle	R ¹ / ₂	$R^{1}/_{2}$ $R_{p}^{1}/_{2}$	0.68					003L1013
FJVR 15, straight			0.90					003L1014

¹⁾ Outlet connection is prepared for Danfoss compression fittings.

²⁾ The k_v -value indicates the water flow (Q) in m³/h at a pressure drop (Δp) across the value of 1 bar.

³⁾ The max. differential pressure indicates the limit for an optimal valve performance. To ensure quiet operation it is recommended to choose a pump which provides the correct pressure to circulate the required flow of water. In most systems a differential pressure of 0.1-0.3 bar is sufficient. The differential pressure may be reduced by using Danfoss differential pressure controls.

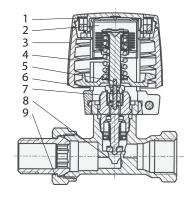


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5	Spare parts				
	Product	Code no.			
	Gland seal (10 pcs.)	013G0290			

Design



The return temperature limiter includes a thermo-static element type FJVR and a valve body

type FJVR 10. The element and the valve body are ordered separately.

The gland of the valve can be exchanged without draining down system.

Materials in contact with water

- 1. Sensor
- 2. Bellows
- 3. Setting handle
- 4. Spring
- 5. Pressure pin
- 6. Gland seal
- 7. Valve top
- 8. Valve cone
- 9. Valve body

Valve body and other metal parts	Ms 58
Pressure pin in gland seal	Chrome steel
O-ring	EPDM
Valve cone	NBR

Mounting



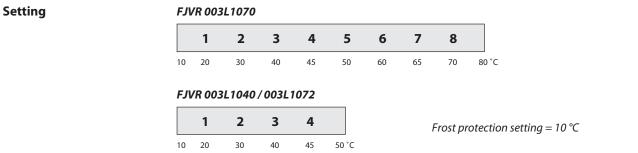




Angle valve

FJVR is mounted in the radiator outlet. The valve and sensor can be fitted in any position as long as flow direction is observed.

During construction, the heat can be controlled by turning the slotted screw in the valve cap, prior to fitting the element.

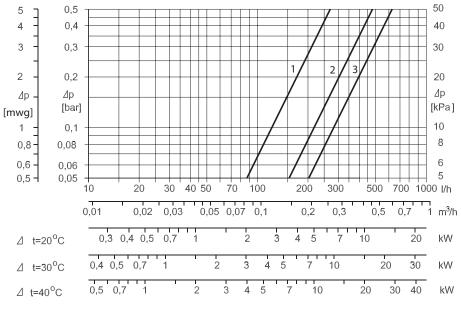




Required return water temperature can be set by turning the dial.

The scale figure indications appear as in the illustration.

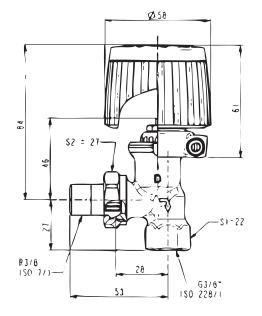
Capacities

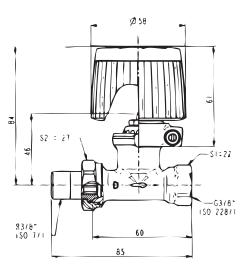


DN10
DN15 angle

3. DN15 straight

Dimensions





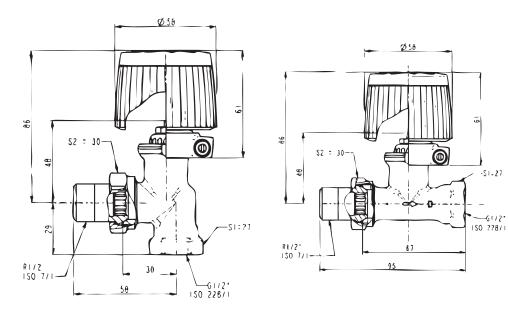
FJVR 10 (3/8") angle version

FJVR 10 (3/8") straight version



Data Sheet

Return Temperature Limiter Type FJVR - Sensor and Valve Body



FJVR 15 (1/2") angle version

FJVR 15 (1/2") straight version

Danfoss A/S Heating Solutions Haarupvaenget 11 8600 Silkeborg Denmark Phone: +45 7488 8000 Fax: +45 7488 8100 Email: heating.solutions@danfoss.com www.heating.danfoss.com

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