

ENGINEERING  
TOMORROW

*Danfoss*

RAS-D<sup>2</sup>

## The Designer TRV a high level of sophistication

- Unique flow selectable bi-directional valve
- High performance
- Convenient combi packs
- Radiator packs available with matching lockshield valves
- Reversible bi-directional angled pattern valve bodies
- Available in subtle white with chrome styling sensor or a stunning all chrome model to compliment designer radiators and towel rails



# RAS-D<sup>2</sup> Domestic Radiator Thermostats

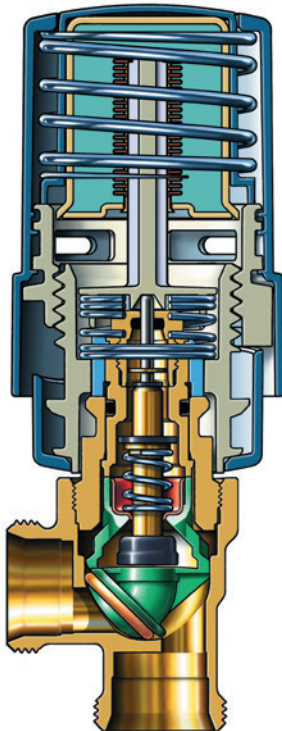
**The RAS-D<sup>2</sup> range complements the one-off market with its modern, stylish design and comes complete with the revolutionary 'flow selectable' revolver valve body.**

The new RAS-D<sup>2</sup> radiator thermostats are the latest addition to the Danfoss TRV range. They are designed for use in 2-pipe domestic heating systems like designer radiators or towel rails. All RAS-D<sup>2</sup> Combi Packs comprise of a RA-FS bi-directional valve and a RAS-D<sup>2</sup> sensor. Combi packs are also available with a RLV-D lockshield valve. The valves have a 1/2" BSP (R1/2") tail piece connection to the radiator and include 8mm, 10mm and 15mm compression fittings to connect the valve to the pipe work. The valve bodies are reversible and bi-directional and include a flow-selectable feature to ensure trouble free installation without any risk of water hammer.

The valve is supplied with a protective cap, which can be used for manual regulation during the construction phase. The cap must not be used as a manual shut off device. RAS-D<sup>2</sup> sensors incorporate a "Frost Protection" setting and a "Positive Off" feature for maximum user flexibility. Temperature range is from 8°C to 28°C.

**Quality**

All Danfoss RAS-D<sup>2</sup> sensors and RA-FS valves are manufactured to the highest standards in factories assessed and certified by BSI against ISO 9001 / BS 5750.



For peace of mind, all radiator thermostat valve bodies incorporate Danfoss patented Revolver flow-selectable bi-directional technology.

**Design**

Valve bodies are manufactured from brass with chrome plating. The spindle in the gland seal is made of chromium steel and works in a lifetime lubricated O-ring. The complete gland assembly can be replaced without draining down the system.

## Revolver Technology



Water flowing correctly through the Revolver Valve, whilst set in factory set position.



Revolver mechanism correcting water flow within valve in situations of reverse flow.



RAS-D <sup>2</sup> Bi-Directional TRV c/w built-in sensors Combi Packs (2-Pipe systems)				
Code No	Description <sup>(3)</sup>		Temp Range <sup>(1)</sup> °C (Xp=2k)	
<b>Combi Pack: Sensor &amp; TRV Valve</b>				
013G601300	8/10/15mm Reversible Angle, Chrome/White, Built-in Sensor		8-28 <sup>(2)</sup>	
013G601200	8/10/15mm Reversible Angle, All Chrome, Built-in Sensor			
013G601500	8/10/15mm Reversible Straight Chrome/White			
013G601400	8/10/15mm Reversible Straight All Chrome Built-in Sensor			
<b>Radiator Pack: Sensor, TRV Valve &amp; Lockshield Combinations</b>				
013G601700	8/10/15mm angle, white/chrome sensor and chrome valve body. Flow selectable reversible bi-directional. Includes compression connections		8-28 <sup>(2)</sup>	
013G601600	8/10/15mm angle, All chrome sensor and chrome valve body. Flow selectable reversible bi-directional. Includes compression connections.			
013G601900	8/10/15mm straight, white/chrome sensor and chrome valve body. Flow selectable reversible bi-directional. Includes compression connections.			
013G601800	8/10/15mm straight, All chrome sensor and chrome valve body. Flow selectable reversible bi-directional. Includes compression connections.			
<b>RAS-D<sup>2</sup> Thermostatic Sensor Only</b>				
013G617600	Fixed Sensor, white/chrome		8-28 <sup>(2)</sup>	
013G617000	Fixed Sensor, All chrome		8-28 <sup>(2)</sup>	
<b>Angled Bi-Directional Chrome Valve Body c/w Fittings, Reversible for 2-Pipe Systems</b>				
Code No	Pattern	Connections		Kv Value (Xp=2k)
		Pipe	Radiator Tail	
013G628200	RA-FS Angle	8/10/15mm	1/2" BSP	0.55
<b>Straight Bi-Directional Chrome Valve Body Complete with Fittings (2-Pipe Systems)</b>				
013G628400	RA-FS Straight	8/10/15mm	1/2" BSP	0.55
<b>Accessories</b>				
003L009900	Drain-off Tailpiece for use with RLV-D Valve and RA-FS Valves, chrome			
<b>Notes:</b>				
(1) Temperature range may be reduced by 2°C by fitting displacer cap (013L123400).				
(2) Allowing for influence of flow temperature and radiation.				
(3) All valves have 1/2" connection to radiator.				