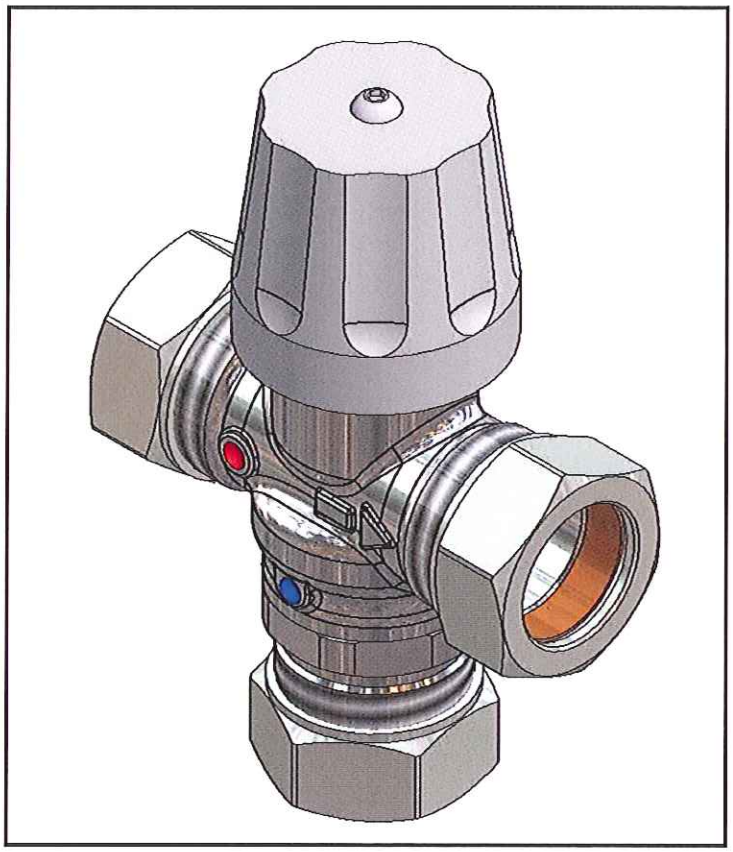
New Product Technical Specification

Heatguard LS2 22mm Direct Compression (Nickel Plated)



Part No: HEAT260505

Prepared By: Mark Woolston

Revision History:

Date	Revision	Description	Author	Reviewed
30/09/08	-	Initial Issue	M.W.	M. Rook
15/10/08	A	Add olives & nuts, remove inner box & instructions; Factory set temp now 43°C	M.W.	M.Rook
10/03/09	B	Change description "ADJUSTER" to "TVA115 2.5 mm ALLEN KEY" ; Remove inner box printing description.	M.W.	M.Rook
22/04/09	C	Standards detail removed from knob and specifications, performance specification & requirements updated.	M.W.	M. Rook
08/07/2009	D	Carton details corrected	M.W.	

Approved for Production
Customer To Sign:

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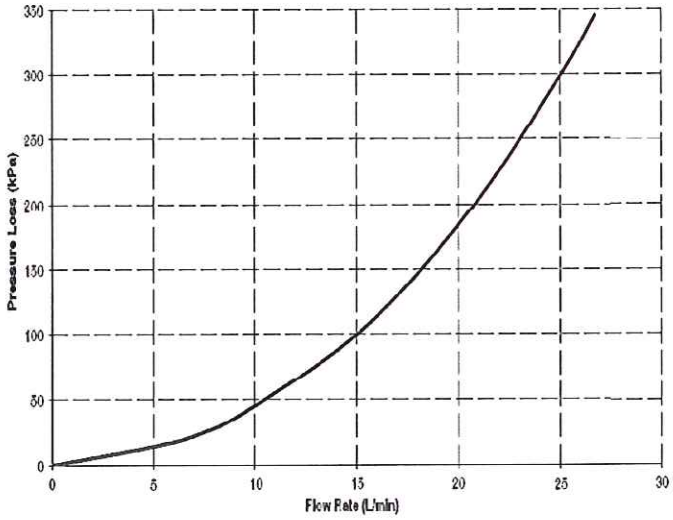
Product Specifications

Installation Conditions	
Hot Temperature Supply Range:	55°C - 90°C[1]
Cold Temperature Supply Range:	5°C - 25°C
Adjustable Temperature Range:	FULL COLD – 60°C
Maximum Supply Pressure:	10 Bar
Permitted supply pressure variation:	As Per TMV2

Operating Specifications	
Operating Temperature Range:	45° C - 60° C
Factory Set Temperature:	55.0° C +/- 1.5
Minimum Temperature differential: (between hot supply and outlet temperature)	15°C[2]
Flow rate, minimum:	4 L/min[3]
Flow rate, maximum @ 3 Bar	25 L/min



Performance Requirements (Approvals, Specific Requirements):

Set Pressures	Set Temp Hot	Set Temp Cold	Mix Temp	Flow L/Min
H300, C300	70.0±5	18.0±2	55°C±1.5	9±0.5
H300, C250	"	"	±2°C	
H300, C200	"	"	±3°C	
H300, C300	"	"	±2°C	
H250, C300	"	"	±2°C	
H200, C300	"	"	±3°C	
H300, C300	"	"	±2°C	
H300, C 0	"	"		1.25L/min (after 6 secs)

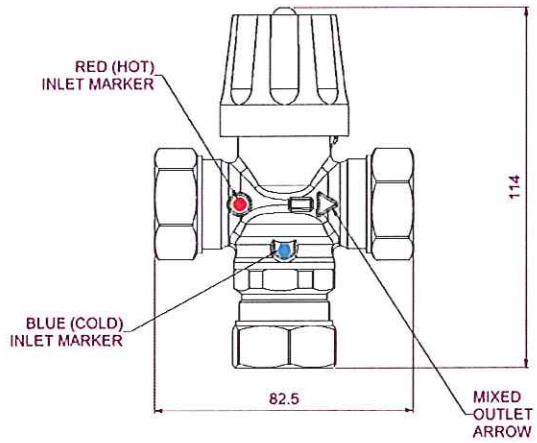
Valve is not approved to any standard, but the performance meets the above table and flowrate.

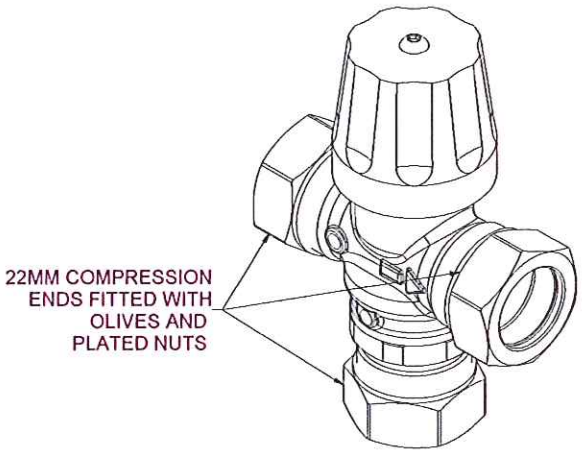
Special Testing / Assembly Requirements:

Date code printed on during assembly.

Physical Specifications	
Surface Finish:	Nickel plated body, nuts and end cap – all other components as per material
Temperature Adjustment: (Knob Position)	➢ Factory setting is 55°C ± 1.5 ➢ Adjustment is achieved by removing the securing screw; withdrawing the knob and turning the adjuster spindle in the desired direction (see knob circumference markings). The knob can then be locked into position with the locking tab.

Product Configuration (Dimensions, Inlet/ Outlet Markings and Connections):



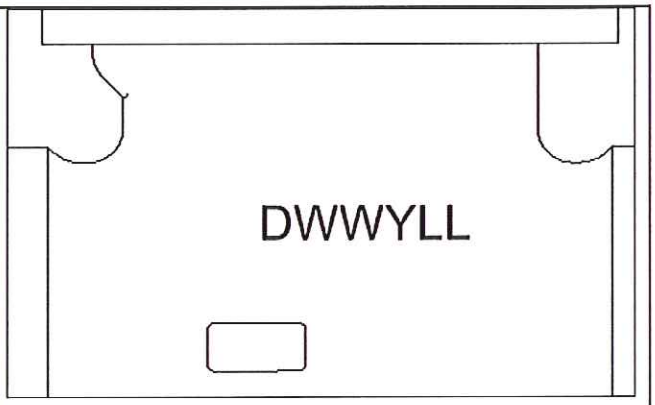


Knob / Rating Plate Details:

White logo and letters on a blue knob.

White adjustment indicators around circumference.

Batch Code Details:



Date code printed on during assembly:
Day of week, *week* of year, *year*, *line* of production.

Packaging		
Packaging Details:	Individually packed into bubble wrap and then bulk-packed into MX1858 cartons in lots of 20.	
	Inner	**Outer**
Total Contents of Carton:	1 x HEAT260505 VALVE FITTED WITH OLIVES AND NUTS 1 x TVA115 2.5mm ALLEN KEY 1 x GP34 BAG BUBBLE WRAP	20 x Bulk packed HEAT260500 bags
Dimensions Of Cartons: (L/W/D in mm)	130x150 (Bubble Wrap)	224L x 224W x 205H
Packed Carton Weight (kg):	0.5Kg	10Kg
Carton Finish: (Coatings and Printing)	n/a	Plain White
Label Type and Location:	n/a	Lab 353 on both ends of carton
Label Detail:	n/a	HEAT260505 TEMPERING LS2 HP QUANTITY 20 WT:10KG RWC O 1 LAB353

Notes and Assumptions	
1.	As per TMV2
2.	Differential required for the valve to isolate the hot supply in the event of loss of cold supply
3.	Minimum flow rate to provide a stable outlet temperature with stable inlet conditions