

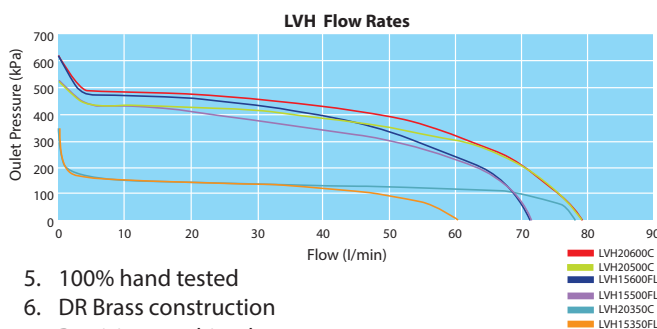
## LVH Series Pressure Limiting Valve

### Application

Protection for High (mains) Pressure hot water systems and ring mains. Compact in-line solution for balancing domestic cold systems.

### Features

1. Designed to protect systems running hot water up to 80°C
2. Pressure compensated to give constant outlet pressure regardless of inlet pressure
3. Factory set to 350, 500 and 600 kPa outlet pressures (fully compensated)
4. Flow Rates



5. 100% hand tested
6. DR Brass construction
7. Precision machined
8. Compact design
9. Endurance type tested to Australian Standards (50,000 cycles and re tested)
10. Field tested in high use commercial hot water application

### Technical Parameters

**Nominal Diameter:** DN 15, DN 20  
**Nominal Pressure:** PN 20  
**Factory Set to** 350kPa , 500kPa, 600kPa (outlet)

#### Flow rates at 700kPa

Pressure	Size	Flow
350kPa	15mm	55 l/m
	20mm	95 l/m
500kPa	15mm	70 l/m
	20mm	100 l/m
600kPa	15mm	70 l/m
	20mm	100 l/m

**Working Temperature:** 1°C - 80°C

**Working Medium:** Potable Water

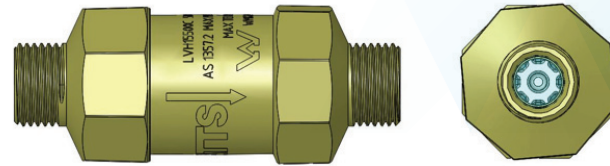
**Connection Options:** Compression, Female, Flare Types

**Test Standard:** AS1357.2

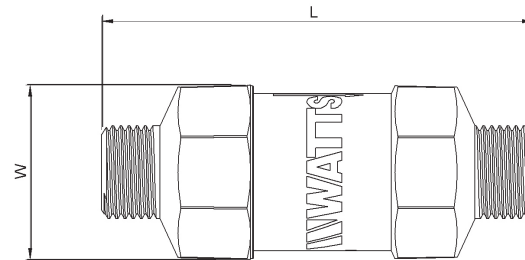
**Patent No:** 595427

### Main Materials

Part Name	Inlet Body Outlet Body	Jet Piston Components	O Rings	Spring
Material	DR brass	Polysulfone	EPDM	Stainless Steel



### Dimensions



Model No	Size DN	Thread Size	Connection Type (inlet, outlet)	L	W
LVH15500C	15	1/2"	Compression	97	39
LVH15350FM, 500FM, 600FM			Female		
LVH15500FL			Flare		
LVH20500C	20	3/4"	Compression	97	41
LVH20350FM, 500FM, 600FM			Female		
LVH20500FL			Flare		

### Installation Instructions

1. Check that the valve is suitable for the application.
2. Valve must be fitted by a qualified plumber.
3. The valve must be fitted downstream of an approved strainer.
4. The valve must be fitted downstream of an approved isolation valve.
5. The valve must be fitted upstream of an approved non return valve.
6. Where fitted a cold water expansion valve must be between the NRI valve and the cylinder inlet. Refer to table below for correct product code and pressure rating.

Pressure Limiting Valve Product Code	Size DN	ECV Product Pressure Rating	Power Rating
LVH15350FM	15mm	ECV15550	20kW
LVH20350FM	20mm	ECV20550	60kW
LVH15500C,FM, FL	15mm	ECV15700	20kW
LVH20500C,FM,FL	20mm	ECV20700	60kW
LVH15600FM	15mm	ECV15850	20kW
LVH20600FM	20mm	ECV20850	60kW
LVH15600FM	15mm	ECV151200	20kW
LVH20600FM	20mm	ECV201200	60kW

7. The valve must not be installed in the ground.
8. Do not apply heat during installation.
9. At the end of the installation, check thoroughly that it is installed correctly.