



EC CONFORMITY DECLARATION no. *ML6/2009/0109*

Kramer Italia S.r.l. declares under its sole responsibility that the following pressure equipment complies with the requirements set forth in directive 97/23/EC. This declaration is no longer valid in case the equipment is tampered with or changed without the approval of Kramer Italia S.r.l..

Name of manufacturer	Kramer Italia S.r.l. Viale Brianza 27 20127 Milan (MI) Italy
Description of pressure equipment	Diaphragm safety valve type: R – Constricted passage 1/2" 3/4" 1" T – Full passage 1/2" M – Constricted passage larger outlet 1/2"x3/4" – 3/4"x1" S – Constricted passage (solar systems) 1/2"
Conformity assessment procedure	B (EC type-test) + D (manufacturing quality assurance)
Control body	Società consortile PASCAL S.r.l. Via Scorsellini MILAN (MI) Italy
EC type-test certificate ref.	PA274 of 16/12/2005

INSPECTION CERTIFICATE

Item no.: <i>0109 3/4" 1"</i>	Customer: <i>VELKOORBEHOOD VOODO-TOPO-PAYU</i>
Quantity: <i>120</i>	Adjustment: <i>6</i>
Order no.: <i>894</i>	
Safety valve marking (Type – Week – Year) <i>ML6B</i>	

Retraceability and marking

Part	Batch(es)	Quantity	Note:
BODY	<i>21963</i>	<i>120</i>	
Manufacturer logo	KRAMER	Inscription	Position
Conformity	EC	Handle	Handle
Control body ID number	1115	Handle	Handle
Passage diameter (NPS)	Varies according to item	Body	Body
Adjusted pressure	Varies	Cap	Cap
Item type	According to art. R- S-T-M	Printed body	Printed body
Year of production	Last figure	Printed body	Printed body
ID number	Week of production	Printed body	Printed body

FINAL CHECK according to IKR-014:

Check description	C	NC
General conformity	<i>X</i>	
Correct marking	<i>X</i>	
Document check	<i>X</i>	

Operator's signature *[Signature]* date: *22.06.11*

Manufacturing Plant Director's signature *[Signature]*



USER INSTRUCTIONS

1. USE

Diaphragm safety valve types include:

- R – Constricted passage 1/2" 3/4" 1"
- T – Full passage 1/2"
- M – Constricted passage larger outlet 1/2"x3/4" – 3/4"x1"
- S – Reduced passage (use in solar plants) 1/2"

Adjusted pressure – in bars – is printed on cap.

Conditions of use are as follows:

Fluid	Water
Operating temperature	+0°C to 110°C for type R-T-M +0°C to 140°C for type S
Max operating pressure	10 bars
Discharge coefficient K	0.01
Adjusted overpressure	10% adjusted pressure

2. ASSEMBLY AND START-UP

**For proper assembly, see the direction of flow indicated by an arrow on the valve body**

To seal threads, use a material suitable for the type of liquid used.

Screw the valve onto threaded pipes using a wrench in the seat provided until the valve is tightly secured.

**Do not apply the wrench on the bonnet.**

Pipes should be properly supported to avoid strain on the valve structure.

Discharged fluid must be directed downwards; please note that a pipe placed downstream reduces the discharge capacity of the safety valve.

3. MAINTENANCE

No maintenance is required on the valve.

Check and remove any impurities in the fluid which could damage the valve. If impurities on the diaphragm cause dripping, turn the knob to lift the diaphragm and clean it.

**Do not remove or replace the head of the safety valve.**

**If high temperature fluids are used, wear protective gloves.**