



CE DECLARATION OF CONFORMITY

Name of Manufacturer:

Kramer Italia S.r.l.
Piazza della Repubblica 9
I-20127 Milano
Italy

Description of pressure equipment:

Diphragm safety valves

R – constricted passage $\frac{1}{2}''$, $\frac{3}{4}''$, $1''$

T – full passage $\frac{1}{2}''$ M - constricted passage larger outlet $\frac{1}{2}'' \times \frac{3}{4}'' - \frac{3}{4}'' \times 1'' - 1'' \times 1\frac{1}{4}''$

S - constricted passage (solar systems) $\frac{1}{2}''$

Conformity assessment procedure:

module B (CE type-test) + D (manufacturing quality assurance)

Control authority:

Consorzio PASCAL s.r.l.
Via Scarsellini, 13
I-20161 Milano

Certificates:

PA274 – 97/23/CE – B Rev.01 - 22.04.2014

22 - 97/23/CE - D Rev.02 - 22.04.2014

Reference to technical legislation:

Pressure Equipment Directive (PED) 97/23/EC

Date and place, name of responsible person:

Milano, 30.04.2014

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Stamp and signature



USER INSTRUCTIONS

1. USE

Diaphragm safety valve types include:

R – Constricted passage $\frac{1}{2}$ " $\frac{3}{4}$ " 1"

T – Full passage $\frac{1}{2}$ "

M – Constricted passage larger outlet $\frac{1}{2}$ "x $\frac{3}{4}$ " – $\frac{3}{4}$ "x1" – 1"x1 $\frac{1}{4}$ "

S – Reduced passage (use in solar plants) $\frac{1}{2}$ "

Set pressure – in bar – 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 150°C for type S
Max operating pressure	10 bar
Discharge coefficient Kd (according to EN4126-1)	0.3 (size $\frac{1}{2}$ " e $\frac{3}{4}$ ""); 0.2 (size 1")
Adjusted overpressure	10% set 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.

Discharge 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.