USER INSTRUCTIONS

1. USE

Diaphragm safety valve types include:
R – Constricted passage ½" ¾" 1"
T – Full passage ½"
M – Constricted passage larger outlet ½"x¾" – ¾"x1" – 1"x1 ¼"
S – Reduced passage (use in solar plants) ½"
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 ½" e ¾"); 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.

EU DECLARATION OF CONFORMITY

Name and address of the manufacturer:

Kramer Italia S.r.l.
Viale Brianza 27
I-20127 Milano, Italy

Description of the pressure equipment:

Diaphragm safety valve

R - Constricted passage ½“, ¾“, 1“
T - Full passage ½“
M - Constricted passage larger outlet ½“x ¾“ – ¾“x1“ – 1“x1¼“
S - Constricted passage (solar systems) ½“

Essential allowable limits	M, R	S	T
Pressure - PS (bar g)	10	10	10
Temperature - TS min./max.	0/110 °C	0/150 °C	0/110 °C
Volume - DN	½“, ¾“, 1“, 1¼“	½“	½“
Fluid	kapaliny	kapaliny	kapaliny
Fluid group	2	2	2
Risk category	IV.	IV.	IV.

Conformity assessment procedure followed:

module B+D

References of the relevant Union harmonisation legislation:

Directive of the European Parliament and of the Council No. 2014/68/EU
on the harmonisation of the laws of the Member States relating to the making available on the market of pressure equipment (PED)

References of the harmonized standards applied:

EN 4126-1

Name, address and number of the notified body:

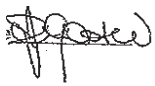
Consorzio Pascal S.r.l. a socio unico
Notified body No. 1115
Via A. Scarsellini, 13
I-20161 Milano

Reference to the EU type-examination certificate:

EC type examination certificate No. PA274-97/23/CE – B Rev. 02 on the 16. 12. 2015
Conformity certificate No. 00170PED83002 D D Rev. 1 on the 16. 12. 2017

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Place and date of issue, name and function of the responsible person:



In Milano, 23. 5. 2019