Data sheet


| Main features | keeping water temperature at boiler (fire) inlet by means of a <br> thermostatic valve |
| :--- | :--- |
| Application | consists of UPM3 FLEX AS pump, TSV5 valve (with manual by-pass <br> balancing), thermometer, insulation |
| Description | pump station for solid-fuel boilers and fires, prevents low-temperature <br> corrosion and boiler clogging |
| Function | water, water-glycol mix (max. 1:1) or water-glycerine mix (max. 2:1) |
| Working fluid | on return pipe, min. pipe centre distance from wall $=100 \mathrm{~mm}$; for <br> proper operation it is necessary to install a valve at the B inlet to <br> balance flowrate |
| Installation |  |


| Code | max. boiler output |
| :--- | :--- |
| 16400 for $45^{\circ} \mathrm{C}$ valve opening temperature | max. 50 kW at $\Delta \mathrm{T} 20 \mathrm{~K}$ and balancing valve fully open |
| 16399 for $50^{\circ} \mathrm{C}$ valve opening temperature | max. 50 kW at $\Delta \mathrm{T} 20 \mathrm{~K}$ and balancing valve fully open |



Data sheet
2/3
RGMAT EA G 5/4 Pump Station



TSV5 Thermostatic valve data

| Technical data |  |
| :--- | :--- |
| Max. operating temp. | $95^{\circ} \mathrm{C}$ |
| Max. working pressure | 6 bar |
| Valve opening temp. | as the thermostatic element |
| Range of control | $\mathrm{t}_{\mathrm{v}, 0}+5^{\circ} \mathrm{C}$ |
| Valve Kvs (A $\rightarrow \mathrm{AB}$ direction) | $7,0 \mathrm{~m}^{3} / \mathrm{hod}$ |
| Valve Kvs (B $\rightarrow \mathrm{AB}$ direction) | $11,5 \mathrm{~m}^{3} / \mathrm{hod}$ |
| Connection | $3 \times \mathrm{G} \mathrm{5} / 4 \mathrm{\prime} \mathrm{\prime} \mathrm{~F}$ |
| Nominal inner diameter | DN 32 |


| Materials |  |
| :--- | :--- |
| Housing, cone and plug | brass |
| Spring | stainless steel |
| Element and plug seal | EPDM |
| Cone seal | NBR |



