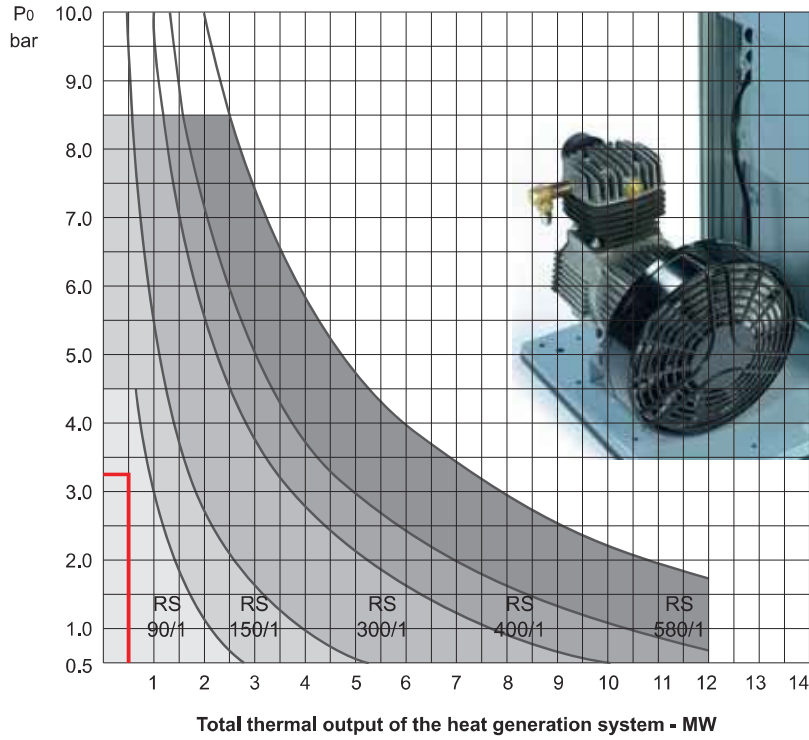


Pressurisation Systems

Reflexomat Quick Selection

1 Compressor



Selection Example

Output heat generator Q = 500 kW
 Water content V_A = 5000 litres
 Design temperature T = 70/50 °C
 Static height H_{st} = 30 m
 Expansion coefficient n = 0.0228

$$P_0 \geq \frac{H_{st} [m]}{10} \text{ bar} + 0.2 \text{ bar}$$

$$P_0 \geq \frac{30}{10} \text{ bar} + 0.2 \text{ bar} = 3.2 \text{ bar}$$

$$V_n \geq \frac{V_{ex} + V_{WR}}{F_{acc}}$$

$$V_n \geq \frac{5000 \times (0.0228 + 0.005)}{0.9} = 155 \text{ liter}$$

Selected:
 Control unit RS 90/1
 Expansion vessel RG 200
 SU Lock shield R 1x1

2 Compressors

