

# INFORMATION SHEET

**T 2500-1 EN**

**Selection Guide for Pressure Regulators**



# Self-operated Regulators

## Pressure regulators

Selection guide · Sheet 1

| Pressure regulators suitable for ...                               | The SAMSON range includes the following regulators ...                              |                                                                                      |                                                                                       |  |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
| Industrial processes                                               | •                                                                                   | •                                                                                    |                                                                                       |  |
| Cryogenic applications                                             |                                                                                     |                                                                                      |                                                                                       |  |
| Industrial energy networks, including air networks                 | •                                                                                   | •                                                                                    |                                                                                       |  |
| Heating, ventilation and air-conditioning                          | •                                                                                   | •                                                                                    |                                                                                       |  |
| District heating                                                   |                                                                                     |                                                                                      |                                                                                       |  |
| Food and pharmaceutical industries, complying with FDA regulations | •                                                                                   | •                                                                                    | •                                                                                     |  |
| Free of non-ferrous metal                                          | •                                                                                   | Possible                                                                             |                                                                                       |  |
| Stainless steel                                                    | •/Possible                                                                          | •/Possible                                                                           | •/Possible                                                                            |  |
| Typetested · Safety version                                        |                                                                                     |                                                                                      |                                                                                       |  |
| Pressure reducing valves                                           |    |    |    |  |
|                                                                    | Type 41-23 <sup>1)</sup> ▶ T 2512                                                   | Type 44-0 B <sup>1)</sup> ▶ T 2628                                                   | Type 2371-10/-11 ▶ T 2133                                                             |  |
|                                                                    |   |   |                                                                                       |  |
|                                                                    | Type 2405 ▶ T 2520                                                                  | Type 44-1 B <sup>1)</sup> ▶ T 2626                                                   |                                                                                       |  |
| Excess pressure valves                                             |  |  |  |  |
|                                                                    | Type 41-73 <sup>1)</sup> ▶ T 2517                                                   | Type 44-6 B <sup>1)</sup> ▶ T 2626                                                   | Type 2371-00/-01 ▶ T 2133                                                             |  |
|                                                                    |  |                                                                                      |                                                                                       |  |
|                                                                    | Type 2406 ▶ T 2522                                                                  |                                                                                      |                                                                                       |  |
| Pressure limiters with/without pressure regulators                 |                                                                                     |                                                                                      |                                                                                       |  |

<sup>1)</sup> Special version available with external air supply for set point adjustment

The SAMSON range includes the following regulators ...

|  |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|--|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | •                                                                                   | •                                                                                   |                                                                                     |                                                                                       | •                                                                                     |
|  |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|  |                                                                                     | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     |
|  |                                                                                     | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     |
|  |                                                                                     | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     |
|  | •                                                                                   |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|  |                                                                                     | Possible                                                                            |                                                                                     |                                                                                       | Possible                                                                              |
|  | •/Possible                                                                          | Possible                                                                            |                                                                                     |                                                                                       | Possible                                                                              |
|  |                                                                                     |                                                                                     | Typetested by TÜV                                                                   | Typetested by TÜV                                                                     |                                                                                       |
|  |    |    |    |    |    |
|  | Type 2404-1 ▶ T 2538                                                                | Type 2334 ▶ T 3210                                                                  | Type 33-1 (SSV) ▶ T 2551                                                            | Type 36-4 (SSV) ▶ T 2546-3                                                            | Type 2333 ▶ T 2552                                                                    |
|  |                                                                                     |                                                                                     |   |   |   |
|  |                                                                                     |                                                                                     | Type 44-9 (SSV) ▶ T 2630                                                            | Type 44-3 (SSV) ▶ T 2623                                                              | Type 2422/2424 ▶ T 2547                                                               |
|  |  |  |  |  |  |
|  | Type 2404-2 ▶ T 2540                                                                | Type 2334 ▶ T 3210                                                                  | Type 33-7 (SEV) ▶ T 2551                                                            | Type 36-8 (SEV) ▶ T 2546-2                                                            | Type 2335 ▶ T 2552                                                                    |
|  |                                                                                     |                                                                                     |                                                                                     |  |  |
|  |                                                                                     |                                                                                     |                                                                                     | Type 44-4 (SEV) ▶ T 2632                                                              | Type 2422/2425 ▶ T 2549                                                               |
|  |                                                                                     |                                                                                     |  |                                                                                       |                                                                                       |
|  |                                                                                     |                                                                                     | Type 2401 ▶ T 2519                                                                  |                                                                                       |                                                                                       |

Self-operated Regulators

Pressure regulators

Selection guide · Sheet 3

| Pressure regulators suitable for ...                    | The SAMSON range includes the following regulators ...                                                       |                                                                                                                                                                                                                                        |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Industrial processes                                    |                                                                                                              |                                                                                                                                                                                                                                        |
| Cryogenic applications                                  |                                                                                                              | •                                                                                                                                                                                                                                      |
| Industrial energy networks, including air networks      | •                                                                                                            |                                                                                                                                                                                                                                        |
| Heating, ventilation and air-conditioning               | •                                                                                                            |                                                                                                                                                                                                                                        |
| Free of non-ferrous metal                               |                                                                                                              |                                                                                                                                                                                                                                        |
| Stainless steel                                         |                                                                                                              | •/Possible                                                                                                                                                                                                                             |
| Typetested · Safety version                             |                                                                                                              | EC type examination                                                                                                                                                                                                                    |
| Corrosive media                                         |                                                                                                              |                                                                                                                                                                                                                                        |
| Pressure reducing valves                                | <br>Type 44-2<br>▶ T 2623   | <br>Type 2357-1<br>▶ T 2557<br><br><br>Type 2357-11 ▶ T 2560    |
|                                                         | <br>Type 44-7<br>▶ T 2723 | <br>Type 2357-2<br>▶ T 2557<br><br><br>Type 2357-21 ▶ T 2560 |
| Excess pressure valves                                  |                                                                                                              |                                                                                                                                                                                                                                        |
| Pressure build-up regulators and excess pressure valves |                                                                                                              | <br>Type 2357-3 ▶ T 2559<br>Type 2371-11/-21 ▶ T 2560                                                                                             |