

# SPECIFICATION

UAB "GASCHEMA"

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## WELDING GASES

### Gas mixture ArC18

### LST EN 14175-M21

| Technical characteristics:                                                                                                                                                                                                                                                                                                                                                                                                |   |       |                | Safety labeling:                                                                                                                                              |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Trade name: Gas mixtures ArC18                                                                                                                                                                                                                                                                                                                                                                                            |   |       |                | <br>Caution, H280                                                          |  |
| UN 1956 COMPRESSED GASES, N.O.S., Class 2, hazard symbols 2.2                                                                                                                                                                                                                                                                                                                                                             |   |       |                |                                                                                                                                                               |  |
| Main gas properties:                                                                                                                                                                                                                                                                                                                                                                                                      |   |       |                |                                                                                                                                                               |  |
| Colorless, odorless, heavier than air, may cause asphyxiation.                                                                                                                                                                                                                                                                                                                                                            |   |       |                |                                                                                                                                                               |  |
| Regulator connections:                                                                                                                                                                                                                                                                                                                                                                                                    |   |       |                |                                                                                                                                                               |  |
| G 3/4" – G3/8" x 6 mm (DIN 477 Nr.9)                                                                                                                                                                                                                                                                                                                                                                                      |   |       |                |                                                                                                                                                               |  |
| Recommended regulator:                                                                                                                                                                                                                                                                                                                                                                                                    |   |       |                | Recommended regulator:                                                                                                                                        |  |
| Primary pressure gauge of the regulator: <ul style="list-style-type: none"><li>• Measurement scale: (0–315) bar</li><li>• Maximum working pressure indicated on the scale: 200 bar</li></ul> Secondary pressure gauge of the regulator: <ul style="list-style-type: none"><li>• Measurement scale: (0–32) l/min (or (0–60) bar)</li><li>• Maximum working pressure indicated on the scale: 24 l/min (or 40 bar)</li></ul> |   |       |                | <br><b>KAYSER (EN ISO 2503) 200 bar / 32 l/min, arba 200 bar / 40 bar</b> |  |
| Gas cylinder specifications:                                                                                                                                                                                                                                                                                                                                                                                              |   |       |                | Cylinder marking:                                                                                                                                             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                           |   |       |                | Gray cylinder with a light green shoulder and/or gray cylinders in a cylinder bundle                                                                          |  |
| <b>Composition:</b>                                                                                                                                                                                                                                                                                                                                                                                                       |   | ArC18 | Units          |                                                                          |  |
| Ar                                                                                                                                                                                                                                                                                                                                                                                                                        | = | 82,0  | %              |                                                                                                                                                               |  |
| CO <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                           | = | 18,0  | %              |                                                                                                                                                               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                           |   |       |                |                                                                                                                                                               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                           |   |       |                |                                                                                                                                                               |  |
| <b>Cylinder types:</b>                                                                                                                                                                                                                                                                                                                                                                                                    |   |       |                |                                                                                                                                                               |  |
| 10 l cylinders (200 bar)                                                                                                                                                                                                                                                                                                                                                                                                  |   | 2,37  | m <sup>3</sup> |                                                                                                                                                               |  |
| 20 l cylinders (200 bar)                                                                                                                                                                                                                                                                                                                                                                                                  |   | 4,4   | m <sup>3</sup> |                                                                                                                                                               |  |
| 50 l cylinders (200 bar)                                                                                                                                                                                                                                                                                                                                                                                                  |   | 11,1  | m <sup>3</sup> |                                                                                                                                                               |  |
| 12x50 l cylinder bundles (200 bar)                                                                                                                                                                                                                                                                                                                                                                                        |   | 133,2 | m <sup>3</sup> |                                                                                                                                                               |  |

For more information, please download [the safety data sheet](#).