

# High pressure pigtails for medical gases

## Serpentina flessibile per gas medicinali ad alta pressione

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**2009**



**Technical data**

**SUITABLE FOR THE FOLLOWING GAS:** O<sub>2</sub> , Air, N<sub>2</sub>O, CO<sub>2</sub> , N<sub>2</sub>

**MAX INLET PRESSURE:**

- 200 bar for O<sub>2</sub> and Air
- 110 bar for N<sub>2</sub>O and CO<sub>2</sub>

**MECHANICAL RESISTANCE:** >820 bar

**PIPE DIAMETERS:**

- 8x4
- 10x5

**LEAK RATE:**

- 8 x 4: 3 kPa a 5 m<sup>3</sup>/h
- 10 x 5: 64 kPa a 50 m<sup>3</sup>/h

**OPERATING AND STORAGE TEMPERATURE:** -20 ÷ +60 °C

**WEIGHT:** 0,68 Kg

**STANDARD:** ISO 7396-1, ISO 15001, EN ISO 21969

**MATERIAL:** brass, copper

THESE SERVICES HAVE SUCCESSFULLY WITHSTOOD THE ADIABATIC COMPRESSION TEST AS REQUIRED BY THE EN ISO 21969

**DESGREASED IN ACCORDANCE WITH ISO 15001**

**Gas Table**

GAS	SYMBOL	Pin max	In/Out Connection
Oxygen	O <sub>2</sub>	200 bar	UNI 11144
Air	Aria / Air	200bar	UNI 11144
Carbo dioxide	CO <sub>2</sub>	110 bar	ISO 5145
Nitrogen	N <sub>2</sub>	200 bar	UNI 11144
Nitrous oxide	N <sub>2</sub> O	110 bar	UNI 11144

**Product Codes**

Copper pigtails for cylinder-ramp connections

- 1993-2009** Copper pigtail 1m(A.B.) **O<sub>2</sub>- O<sub>2</sub>** 200 B
- 1995-2009** Copper pigtail 1m(A.B.) **N<sub>2</sub>O - N<sub>2</sub>O** 200 B
- 2939-2009** Copper pigtail 1m(A.B.) **N<sub>2</sub>- N<sub>2</sub>** 200 B
- 2940-2009** Copper pigtail 1m(A.B.) **Air - Air** 200 B
- 3209-2009** Copper pigtail 1m(A.B.) **CO<sub>2</sub> - CO<sub>2</sub>** 200 B

High pressure connections (ramp-ramp or ramp-supply unit)

- 3294-2009A** High pressure connection **O<sub>2</sub>- O<sub>2</sub>**
- 3295-2009A** High pressure connection **N<sub>2</sub>- N<sub>2</sub>**
- 3296-2009A** High pressure connection **Air - Air**
- 3297-2009A** High pressure connection **N<sub>2</sub>O - N<sub>2</sub>O**
- 3298-2009A** High pressure connection **CO<sub>2</sub>- CO<sub>2</sub>**

High pressure pigtails for medical gases - 2009 series

The following products **are not CE marked**

Pigtails with **AFNOR - UNI** connection

- 3971-2009** 1mt **N<sub>2</sub>O** - conn. AFNOR-UNI
- 7044-2009** 1mt **ARIA** - conn. AFNOR-UNI
- 3972-2009** 1mt **O<sub>2</sub>** - conn. AFNOR-UNI

Pigtails with **BS- UNI** connection

- 4810-2009** 1mt **O<sub>2</sub>** - conn. BS-UNI
- 4811-2009** 1mt **N<sub>2</sub>O** - conn. BS-UNI
- 7196-2009** 1mt **Air** - conn. BS-UNI

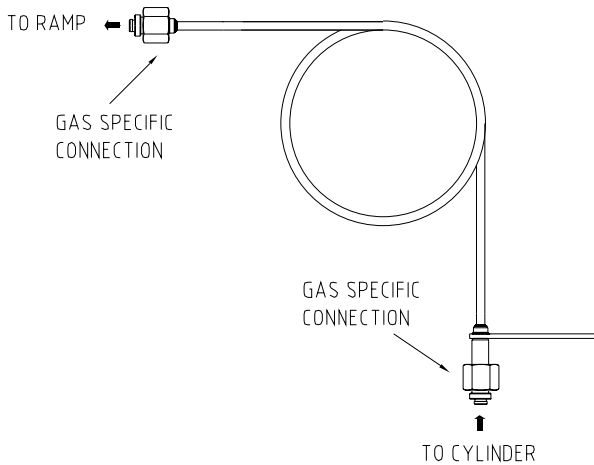
Pigtails with **DIN - UNI** connection

- 4916-2009** 1mt **O<sub>2</sub>** - conn. DIN-UNI
- 1995-2009** 1mt **N<sub>2</sub>O** - conn. DIN-UNI
- 4917-2009** 1mt **Air** - conn. DIN/UNI

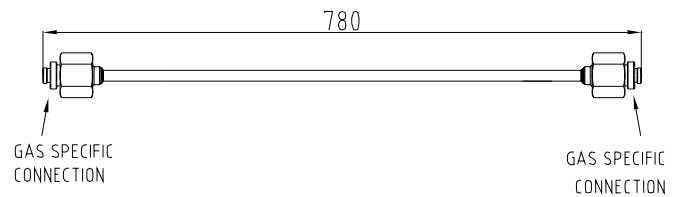
Other connections

- 4638-2009** 1mt **O<sub>2</sub>** - conn. Spain-UNI
- 3264-2009** 1mt **O<sub>2</sub>** - conn. Turkey-UNI
- 7294-2009** 1mt **Air** - conn. Spain-UNI
- 4769-2009** 1mt **CO<sub>2</sub>** - conn. Turkey (G) / UNI
- 7342-2009** 1mt **N<sub>2</sub>O** Algeria (**CO<sub>2</sub>** AFNOR) - **N<sub>2</sub>O** MED
- 4422-2009** 1mt **N<sub>2</sub>** - conn. Turkey (G) / UNI

**Pigtail with cylinder-ramp connection**



**High flow rate connection**



**Specifiche Tecniche**

**GAS DI PROCESSO:** O<sub>2</sub>, Aria, N<sub>2</sub>O, CO<sub>2</sub>, N<sub>2</sub>

**PRESSIONE DI INGRESSO MAX:**

- 200 bar per O<sub>2</sub> e Aria, N<sub>2</sub>
- 110 bar per N<sub>2</sub>O e CO<sub>2</sub>

**RESISTENZA MECCANICA:** >820 bar

**DIAMETRI TUBO:**

- 8 x 4
- 10 x 5

**PERDITE di carico:**

- 8 x 4: 3 kPa a 5 m<sup>3</sup>/h
- 10 x 5: 64 kPa a 50 m<sup>3</sup>/h

**TEMPERATURA DI STOCCAGGIO E DI UTILIZZO:** -20 ÷ +60 °C

**PESO:** 0,68 Kg

**NORME DI RIFERIMENTO:** ISO 7396-1, ISO 15001, EN ISO 21969

**MATERIALI:** Ottone, rame

IL DISPOSITIVO PER O<sub>2</sub> È STATO SOTTOPOSTO E HA SUPERATO LA PROVA DI COMPRESSIONE ADIABATICA PREVISTA DALLA NORMA EN ISO 21969

**SGRASSAGGIO AI SENSI DELLA NORMA ISO 15001**

**Tabella identificativa gas**

NOME GAS	SIMBOLO GAS	Pin max	Conn. Ingresso / Uscita
Ossigeno	O <sub>2</sub>	200 bar	UNI 11144
Aria	Aria / Air	200bar	UNI 11144
Anidride Carbonica	CO <sub>2</sub>	110 bar	ISO 5145
Azoto	N <sub>2</sub>	200 bar	UNI 11144
Protossido d'azoto	N <sub>2</sub> O	110 bar	UNI 11144

**Codici prodotti di riferimento**

Serpentine in rame per collegamento bombola-rampa

**1993-2009** Serpentina rame 1m(A.B.) **O<sub>2</sub>- O<sub>2</sub>** 200 B

**1995-2009** Serpentina rame 1m(A.B.) **N<sub>2</sub>O - N<sub>2</sub>O** 200 B

**2939-2009** Serpentina rame 1m(A.B.) **N<sub>2</sub>- N<sub>2</sub>** 200 B

**2940-2009** Serpentina rame 1m(A.B.) **ARIA - ARIA** 200 B

**3209-2009** Serpentina rame 1m(A.B.) **CO<sub>2</sub> - CO<sub>2</sub>** 200 B

Connessioni rame alta portata

**3294-2009A** Connessione A.P. **O<sub>2</sub>- O<sub>2</sub>**

**3295-2009A** Connessione A.P. **N<sub>2</sub>- N<sub>2</sub>**

**3296-2009A** Connessione A.P. **ARIA - ARIA**

**3297-2009A** Connessione A.P. **N<sub>2</sub>O - N<sub>2</sub>O**

**3298-2009A** Connessione A.P. **CO<sub>2</sub>- CO<sub>2</sub>**

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Sono inoltre disponibili i seguenti prodotti **privi di marcatura CE**

Serpentine con connessione **AFNOR - UNI**

**3971-2009** 1mt per **N<sub>2</sub>O** - conn. AFNOR-UNI

**7044-2009** 1mt per **ARIA** - conn. AFNOR-UNI

**3972-2009** 1mt per **O<sub>2</sub>** - conn. AFNOR-UNI

Serpentine con connessione **BS- UNI**

**4810-2009** 1mt per **O<sub>2</sub>** - conn. BS-UNI

**4811-2009** 1mt per **N<sub>2</sub>O** - conn. BS-UNI

**7196-2009** 1mt per **ARIA** - conn. BS-UNI

Serpentine con connessione **DIN - UNI**

**4916-2009** 1mt per **O<sub>2</sub>** - conn. DIN-UNI

**1995-2009** 1mt per **N<sub>2</sub>O** - conn. DIN-UNI

**4917-2009** 1mt per **ARIA** - conn. DIN/UNI

Altre connessioni disponibili

**4638-2009** 1mt per **O<sub>2</sub>** - conn. Spain-UNI

**3264-2009** 1mt per **O<sub>2</sub>** - conn. Turkey-UNI

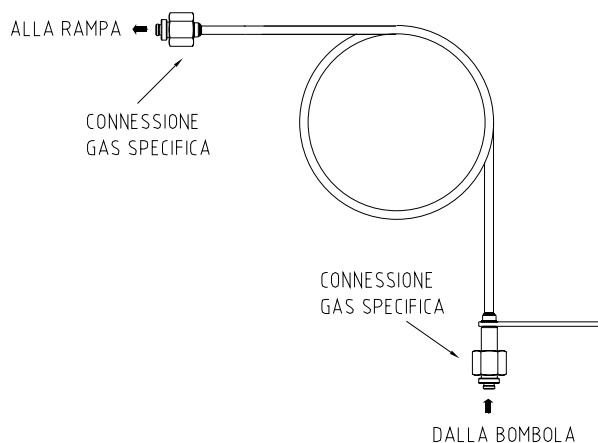
**7294-2009** 1mt per **ARIA** - conn. Spain-UNI

**4769-2009** 1mt per **CO<sub>2</sub>** - conn. Turkey (G) / UNI

**7342-2009** 1mt per **N<sub>2</sub>O** Algeria (**CO<sub>2</sub>** AFNOR) - **N<sub>2</sub>O** MED

**4422-2009** 1mt per **N<sub>2</sub>** - conn. Turkey (G) / UNI

Serpentine per collegamento bombola-rampa



Connessioni di alta portata

