

INDUSTRIAL HOSES - technical gas

PTFE hoses for high pressure gases



HWDB / HPG

Material: Smooth PTFE
Reinforcement: Double AISI 304 steel wire braid
Working temp.: From -70°C up to +260°C

SMOOTHBORE PTFE hose version. A heavy wall made of the uniquely processed PTFE (reduced micro porosity) and a double steel wire braid of the hose make it suitable for high pressure gas applications.
 Assembly: use fittings and ferrules from AF-TL series.

For temperatures above +130°C reduce the maximum working pressure given in the tables by 0.75% for each 1°C of temperature rise above +130°C.

**Example: at +170°C maximum working pressure for AF-HWDB-HPG-06 hose:
 225 bar - (170°C - 130°C) x 0.75 = 225 bar - 30% = 157.5 bar.**

code	DN	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [kg/m]
AF-HWDB-HPG-06	6	6 ÷ 6.5	10.6 ÷ 10.9	225	900	26	0.18
AF-HWDB-HPG-08	8	7.5 ÷ 8	12.1 ÷ 12.6	217	870	35	0.21
AF-HWDB-HPG-10	10	9.1 ÷ 9.6	13.9 ÷ 14.3	180	720	50	0.24



HWDB / HPG / HI

Material: Smooth PTFE
Reinforcement: Aramid braid + 304 steel wire braid
External layer: Micro perforated Hytrel
Working temp.: From -50°C up to +70°C

Special version of SMOOTHBORE PTFE hose designed for high pressure applications. A heavy wall made from the uniquely PTFE (reduced micro porosity), a double braid (aramid and steel braid) and an external Hytrel layer make it suitable for high pressure gas applications. The external Hytrel layer is available in several colour versions (black, red, green, blue) to distinguish hoses used for different types of gases.

Assembly: use fittings and ferrules from AF-TL series.

code	DN	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [kg/m]
AF-HWDB-HPG-HI-06	6	6 ÷ 6.3	12 ÷ 12.4	300	1200	30	0.19