



Compressed air hoses

Compressed air is used in all areas of industry. Clean cool air is not an aggressive medium and many hoses of different materials and designs can be suitable for compressed air. However, attention should be paid to:

- The compression of air, as with any gas, causes a serious danger - much greater than with liquids - in the event of incidents such as hose bursts, tip pulls, quick couplings disconnecting - under pressure. Expanding air causes rapid, uncontrolled movement of the hose, tips or connected tools, which can cause injury to the operator.
- The slow penetration of gases, including air, through the hose wall can cause bubbles, delamination and subsequent hose failure.
- Airborne substances and contaminants (e.g. oil mist) can interact aggressively with the hose material, damaging it.
- Elevated temperatures not only directly affect the properties of the material, but also cause accelerated chemical degradation through the action of the oxygen in the air. Hot dry air must be regarded as an aggressive medium.

Look for compressed air hoses throughout this chapter and in the chapters: universal hoses, food substance hoses, metal pressure hoses.

In the section: HIGH PRESSURES / FORCE HYDRAULICS you will find hoses for high pressures from tens to hundreds of bar. Many of them can be used for air.

In the section: PNEUMATICS contains typical hoses for pneumatics and industrial automation - non-reinforced hoses with calibrated outer diameters made of polyamide, polyurethane and other materials.



AIR 20

General purpose compressed air and water hose

Inner layer: Black synthetic rubber
Reinforcement: synthetic braid
Outer layer: black synthetic rubber
Operating temp: -25°C to +80°C

Robust and flexible classic rubber hose for compressed air (also oily), water and chemically non-aggressive liquids in industry and agriculture. Outer layer resistant to abrasion, ageing, ozone and weather conditions.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure [bar]	Bursting pressure [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
IV-AIR20-06	6	14	4	20	60	60	0,17	100
IV-AIR20-08	8	17	4,5	20	60	65	0,24	100
IV-AIR20-10	10	19	4,5	20	60	80	0,28	100
IV-AIR20-13	13	23	5	20	60	105	0,39	60
IV-AIR20-16	16	26	5	20	60	130	0,45	60
IV-AIR20-19	19	30	5,5	20	60	150	0,58	60
IV-AIR20-25	25	37	6	20	60	200	0,77	40

Note: indexes highlighted in colour - most commonly used

AIR20 hose DN13 with M22x1.5 female threaded angle hydraulic end (TI-ZMW221-22-08) fitted with an industrial hose clamp sleeve (TI-L-24-08).



AIR20 DN6 hose with RECTUS pressure-free disconnecting coupling socket (RE-26KETFO6MPN), clamped with EAR CLIP in galvanised steel.

