



TECHNICAL NOTIFICATION INTAKE TUBE SIZING

Recommendation of Intake Tube Sizing

Detail	DESCRIPTION
Basics	<ul style="list-style-type: none"> • 15 (fifteen) meter shall be considered maximum length. • An intake tube shall be straight up without any 45°/90° elbows. • When straight only, the standard diameters are: <ul style="list-style-type: none"> ○ Up to 5 meters – Ø 60 mm ○ Up to 15 meters – Ø 100 mm
One elbow	<ul style="list-style-type: none"> • In case it is unavoidable to apply one (1) elbow, then the diameter of the tube shall increase to the next size, i.e.: <ul style="list-style-type: none"> ○ Up to 10 meters with one (1) elbow – Ø 100 mm ○ Up to 15 meters with one (1) elbow – Ø 120 mm
Any further elbow	<ul style="list-style-type: none"> • Same applies for any further elbow applied in the intake tube, i.e. <ul style="list-style-type: none"> ○ Up to 5 meters with two (2) elbows – Ø 100 mm ○ and so on and so forth
Others	<ul style="list-style-type: none"> • Beginning of the intake tube (outside) shall be equipped with a secure ingress protection against i.e. rainfall, coarse dust, insects or even birds (!). • End of the intake tube (inside) shall be as close as humanly possible to the compressor and shall be connected to the intake filter housing by means of a non-collapsible, yet flexible hose (vibration absorption) and an adaptor (Ø intake tube – Ø flexible hose).
Note	<p>Furthermore, it is to be duly noted that noise may occur at the beginning of the intake tube (outside) due to the pulsating character of any reciprocating piston compressor. Sizes are available for our standard Breathing Air units till 850l/min.</p>

A SERVICE FROM THE SERVICE LIFE CYCLE & SPARES MANAGEMENT DEPARTMENT (SLM)

