

Martin® Tornado air cannon



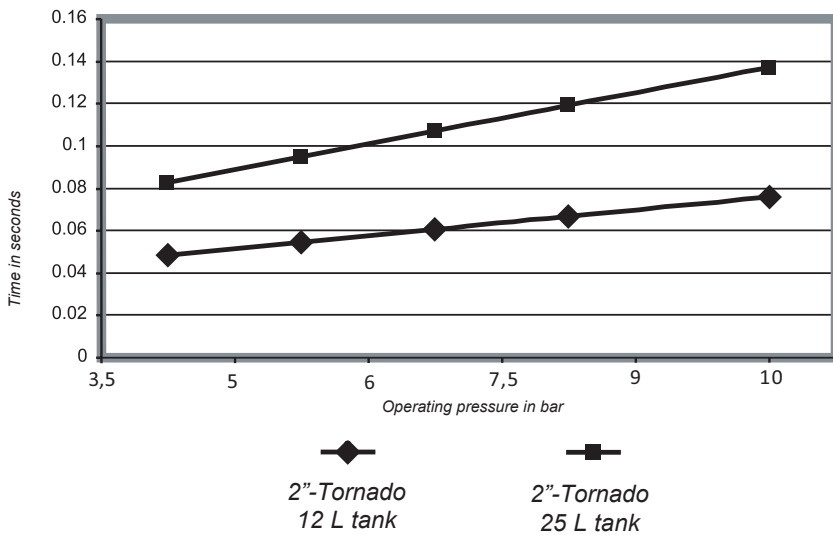
2" Valve

The MARTIN® TORNADO air cannon produces better material flow with greater power, faster cycling and improved safety.

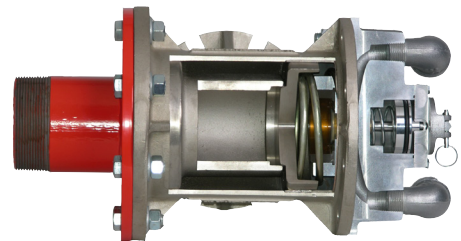
The air cannon fires when the new patent pending MARTIN® TORNADO Exhaust Valve opens in response to a positive surge of air sent by a tripped solenoid valve. This positive-acting MARTIN® TORNADO Exhaust valve amplifies the discharge force, producing 20% more power than a conventional air cannon of the same size.

Performance data

Discharge time



Martin® Tornado exhaust valve



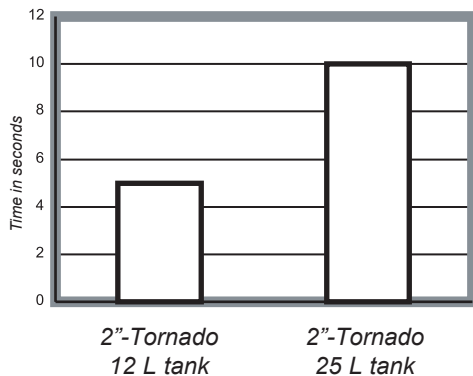
Valve shown as cut away

Benefits

- Improved safety
- Improved boost
- Applicable in high temperatures
- Easy installation and maintenance
- Cyclus guarantee
- Faster fill times

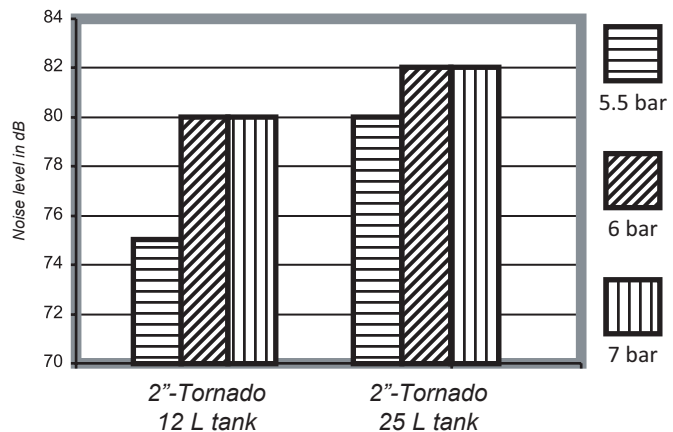
Fill time*

Time to reach working pressure



Noise level

Noise level in dB of discharge at given operating pressure

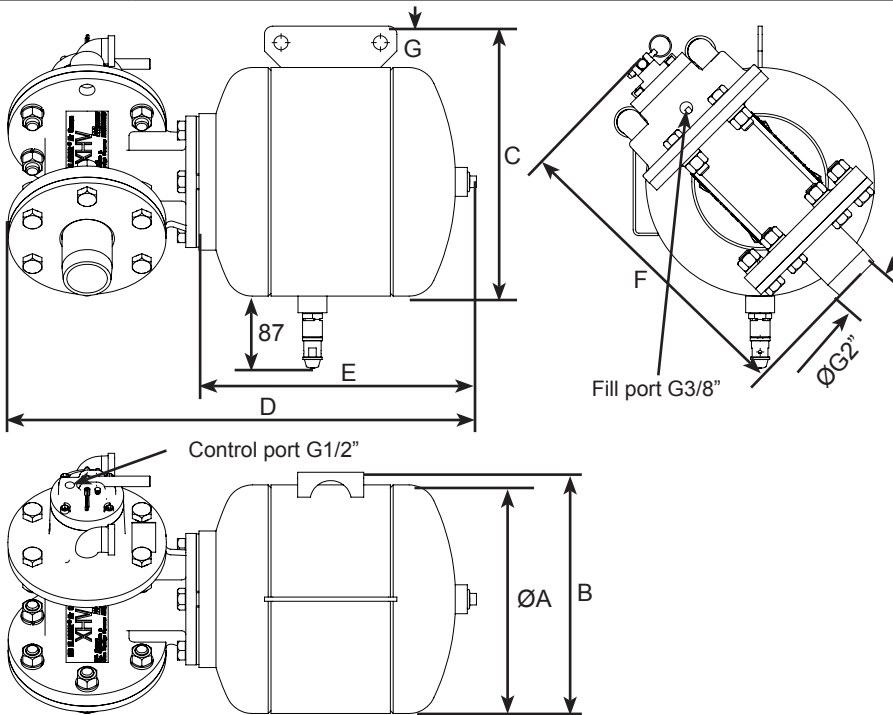


* Data based on laboratory testing. Fill times may vary depending on air supply characteristics.

TECHNICAL DATA SHEET

Dimensions in mm

Model	P/N	Dimensions						
		ØA	B	C	D	E	F	G
BB2-12	37864-012X10-XXXX+E	276	291	413	571	341	373	50
BB2-25	37864-025X10-XXXX+E		304	418	751	527		55

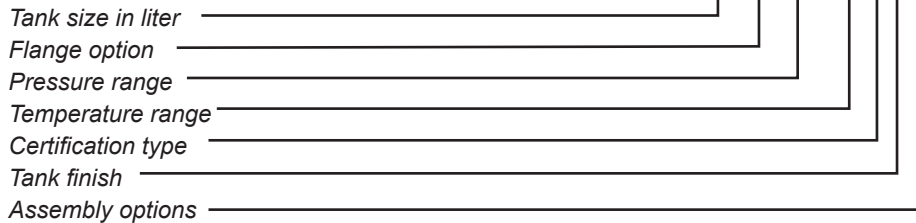


Notes

Air cannon tanks supplied by Martin Engineering are manufactured to pressure vessel guideline 2009/105/EC. Guaranteed engineering, installation and maintenance of MARTIN® TORNADO air cannons are available from Martin Services. Installation drawings of air cannon systems are available from Martin Engineering. Martin Engineering recommends the walls of all storage vessels be cleaned prior to the installation of any air cannon system. For further information, contact Martin Engineering or visit our Web site.

Part number

37864 - AAA B CC - D E F G +E



A: Tank size in liter

B: Flange option

- S: Threaded stud 2"
- F: Threaded flange

C: Pressure range

- 10: 10 bar
- 12: 12 bar

D: Temperature range

- D: -30°C/+150°C
- E: -50°C/+150°C

E: Certification type

- C: CE certification
- G: TR certification

F: Tank finish

- P: Painted (RAL 2004)
- Z: Galvanised

G: Assembly options

- Ø: Completely mounted
- 1: Valve and tank dismounted

Air volume of free air* in liter

Air pressure in bar	BB2-12	BB2-25
1	12	25
4	48	100
6	72	150
8	96	200
10	120	250

*Standard air (according to ISO 2553) rounded at a temperature of 15°C and an air pressure of 1013 hPa



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Quality management system certified according to DNV - ISO 9001



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