BIG BLASTER® XHV Air Cannon with MARTIN® TORNADO Exhaust valve



TECHNICAL DATA

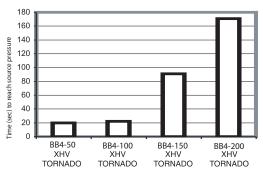
4-Inch valve

BIG BLASTER® XHV Air Cannon with MARTIN® TORNADO Exhaust Valve

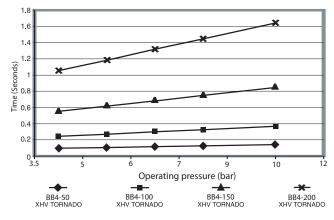


Performance Data

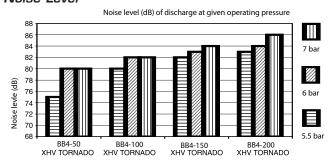
Fill Time



Discharge Time



Noise Level



The BIG BLASTER® XHV Air Cannon with MARTIN® TORNADO Exhaust Valve produces better material flow with greater power, faster cycling and improved safety.

The BIG BLASTER® XHV 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 valve amplifies the discharge force, producing 20% more power than a conventional air cannon of the same size.

Units cut away

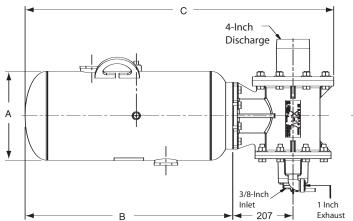


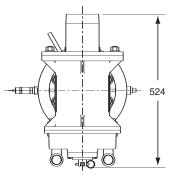
Benefits

- Effective Boost to Solids Flow
 High-velocity discharge of compressed air
 improves material movement.
- Suitable for High-Temperature Applications
 BIG BLASTER® XHV Air Cannons with MARTIN®
 Tornado Exhaust Valve are suitable for hightemperature applications such as cement kiln
 , pre-heater towers and coolers. Ambienttemperature model also available.
- A Safer Air Cannon
 BIG BLASTER® XHV Air Cannon with Tornado
 Exhaust Valve will not fire when source pressure
 is removed.
- Easier Installation and Maintenance
 Positive action allows solenoids to be mounted 100 feet (348 m) or more from the air cannon.
 Lubrication is not required.
- 200,000 Firings Guaranteed
 2,000,000 firings guaranteed for ambienttemperature models.
 Free lifetime replacements for all moving parts on XHV Valve for high-temperature applications.

Dimensions in mm

	P/N		Dimensions			Ship Weight
Modell	High Temp	Ambient Temp	Α	В	С	kg
BB4-50 XHV	37798-50+E	37799-50+E	490	488	829	59
BB4-100 XHV	37798-100+E	37799-100+E	490	905	1249	82
BB4-150 XHV	37798-150+E	37799-150+E	590	890	1230	90
BB4-200 XHV	37798-200+E	37799-200+E	690	1200	1540	141





37798-50+E shown

Notes

Tanks for BIG BLASTER® Air Cannons supplied by Martin Engineering are manufactured to pressure vessel guideline 87/404 EWG.

Air volume in L

Air pressure	50	100	150	200
in bar	L	L	L	L
1	50	100	150	200
4	238	476	718	1077
6	317	634	951	1426
8	429	858	1287	1930
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For further information, contact Martin Engineering or visit our Web site at www.martin-eng.co.uk.

Guaranteed engineering and installation of BIG BLASTER® XHV Air Cannons Systems with MARTIN® Tornado Exhaust Valve is available from Martin Services. Maintenance is also available from Martin Services Technicians.

Certified drawings of air cannon system installations are available from the Engineering Department at Martin Engineering.

Martin Engineering recommends the walls of all storage vessels be cleaned prior to the installation of any BIG BLASTER® Air Cannon System.



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