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CATALOGUE # 1.0

PORTABLE ABRASIVE BLASTING MACHINES AND SPARES

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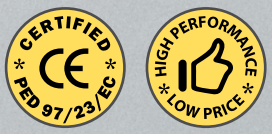
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Abrasive Blasting Machines



FIELD OF APPLICATION

- Abrasive blasting of metal constructions and buildings, bridges, reservoirs, piping, concrete surfaces. Cleaning up to grade SA-3.0.
- Performance up to 37 m²/h (see Table of Performance).

DESIGNED TO WORK WITH

- any dry abrasives, max. grain size 4 mm.

Technical data:	BlastRazor Z-25 Z-25RC	BlastRazor Z-50 Z-50RC	BlastRazor Z-100 Z-100RC Z-100RCS	BlastRazor Z-200 Z-200RC Z-200RCS
Max. working pressure, bar	10	10	10	10
Vessel capacity, liter	25	50	100	200
Working temperature, °C	–10 — +50	–10 — +50	–10 — +50	– 10 — +50
Vessel diameter, mm	306	415	508	609
Vessel height, mm	960	1180	1226	1480
Weight, kg	46	73	105 / 110 / 110	135 / 140 / 140

Compressed air consumption (m3/min)				
Nozzle Diameter	Abrasive blasting	Plus hood	Plus 50% reserve	Minimum air input
6,5 мм	2,3	0,5	1,4	4,2
8,0 мм	3,9	0,5	2,2	6,6
9,5 мм	5,5	0,5	3,0	9,0
11,0 мм	7,2	0,5	3,9	11,6
12,5 мм	9,6	0,5	5,0	16,1

Table of Performance						
Nozzle Diameter, мм:		6,5	8	9,5	11	12,5
Compressed air output, m³/min., at 8 bar pressure		4,2	6,6	9	11,6	16,1
Average output, m²/h	SA 2	10	15	21	28	37
	SA $2^1/_2$	5	9	14	21	28
	SA 3	4	6	9	13	17
Average abrasiveconsumption, kg/m	SA 2	40	35	32	29	28
	SA $2^1/_2$	58	51	46	42	40
	SA 3	78	68	62	56	54

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BlastRazor Z-25, BlastRazor Z-50





All Contracor abrasive blasting machines are equipped on standard delivery with a highly efficient CAF moisture separator to prevent the entry of moisture and oil from the compressor into the tank.

This is especially necessary when using old compressors, or working at low temperatures or at a large distance from the compressor.

The CAF filter eliminates up to 98% of the condensate and oil from compressed air. This prevents work stoppages in connection with the removal of dampened abrasive from the tank.

Standard delivery:

BlastRazor Z-25	BlastRazor Z-50
- 25 liter capacity tank - screen - cap - sand valve - high-performance moisture separator - inspection door - quick hose couplings	- 50 liter capacity tank - screen - cap - sand valve - high-performance moisture separator - inspection door - quick hose couplings

Order code	Model	Description
10400300	BlastRazor Z - 25	Abrasive Blasting Machine, 25 liters.
10400401	BlastRazor Z - 50	Abrasive Blasting Machine, 50 liters.

BlastRazor Z-25RC, BlastRazor Z-50 RC (with remote control)



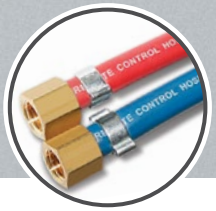
Oil-moisture separator CAF-0



RC Valve RCV-0



TWINLINE hose



Deadman handle



Standard delivery:

BlastRazor Z-25 RC (with remote control)	BlastRazor Z-50 RC (with remote control)
- 25-liter capacity tank - screen - cap - sand valve FSV-0 - high-performance moisture separator CAF-0 - quick hose couplings CFT-0 - remote control device with a pneumatically-operated RC main valve, deadman handle, 5-meter twin-line hose, hose fittings	- 50-liter capacity tank - screen - cap - sand valve FSV-0 - high-performance moisture separator CAF-0 - quick hose couplings CFT-0 - remote control device with a pneumatically-operated RC main valve, deadman handle, 5-meter twin-line hose, hose fittings

Order code	Model	Description
10400301	BlastRazor Z - 25 RC	Abrasive Blasting Machine with RC, 25 liters. Complete package incl. DMH and 5m Twinline hose with fittings.
10400402	BlastRazor Z - 50 RC	Abrasive Blasting Machine with RC, 25 liters. Complete package incl. DMH and 5m Twinline hose with fittings.

BlastRazor Z-100, BlastRazor Z-200





All Contracor abrasive blasting machines are equipped on standard delivery with a highly efficient CAF moisture separator to prevent the entry of moisture and oil from the compressor into the tank.

This is especially necessary when using old compressors, or working at low temperatures or at a large distance from the compressor.

The CAF filter eliminates up to 98% of the condensate and oil from compressed air. This prevents work stoppages in connection with the removal of dampened abrasive from the tank.

Standard delivery:

BlastRazor Z-100	BlastRazor Z-200
- 100 liter capacity tank - screen - cap - sand valve - high-performance moisture separator - inspection door - quick hose couplings	- 200 liter capacity tank - screen - cap - sand valve - high-performance moisture separator - inspection door - quick hose couplings

Order code	Model	Description
10400100	BlastRazor Z-100	Abrasive Blasting Machine, 100 liters
10400200	BlastRazor Z-200	Abrasive Blasting Machine, 200 liters

BlastRazor Z-100 RC, BlastRazor Z-200 RC (with remote control)



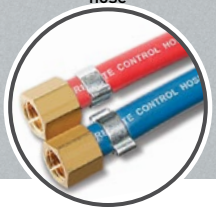
Oil-moisture separator CAF-3



RC Valve RCV



TWINLINE hose



Deadman handle



Standard delivery:

DBS-100 RC (with remote control)	DBS-200 RC (with remote control)
- 100-liter capacity tank - screen - cap - sand valve - high-performance moisture separator - inspection door - quick hose couplings CFT - remote control device with a pneumatically-operated RC main valve, deadman handle, 20-meter twin-line hose, hose fittings	- 200-liter capacity tank - screen - cap - sand valve - high-performance moisture separator - inspection door - quick hose couplings CFT - remote control device with a pneumatically-operated RC main valve, deadman handle, 20-meter twin-line hose, hose fittings

Order code	Model	Description
10400101	BlastRazor Z - 100 RC	Abrasive Blasting Machine with RC, 100 liters. Complete package incl. DMH and 20m Twinline hose with fittings.
10400201	BlastRazor Z - 200 RC	Abrasive Blasting Machine with RC, 200 liters. Complete package incl. DMH and 20m Twinline hose with fittings.

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BlastRazor Z-100 RCS, BlastRazor Z-200 RCS (with remote control and SGV valve)



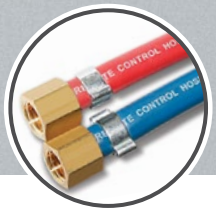
Special valve for steel abrasives SGV



RC Valve RCV



TWINLINE hose



Deadman handle

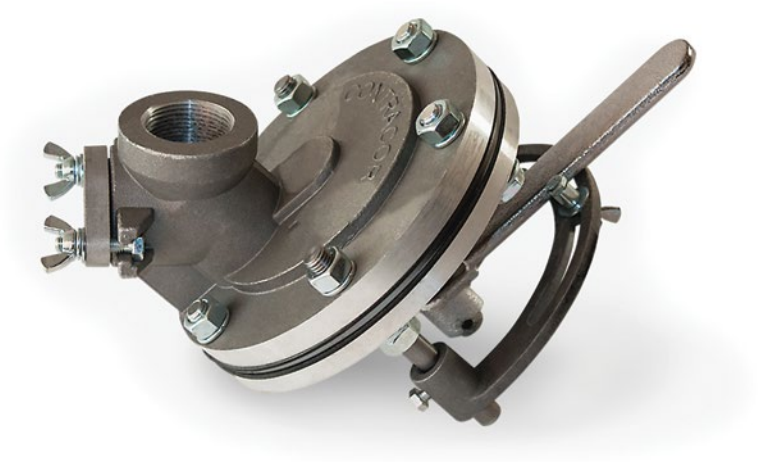


Standard delivery:

DBS-100 RCS (with remote control and SGV valve)	DBS-200 RCS (with remote control and SGV valve)
- 100-liter capacity tank - screen - cap - SGV valve - high-performance moisture separator - inspection door - quick hose couplings CFT - remote control device with a pneumatically-operated RC main valve, deadman handle, 20-meter twin-line hose, hose fittings	- 200-liter capacity tank - screen - cap - SGV valve - high-performance moisture separator - inspection door - quick hose couplings CFT - remote control device with a pneumatically-operated RC main valve, deadman handle, 20-meter twin-line hose, hose fittings

Order code	Model	Description
10400102	BlastRazor Z - 100 RCS	Steel abrasives Blasting Machine with RC, 100 liters. Complete package incl. DMH and 20m Twinline hose with fittings.
10400202	BlastRazor Z - 200 RCS	Steel abrasives Blasting Machine with RC, 200 liters. Complete package incl. DMH and 20m Twinline hose with fittings.

FSV Metering Valve



The Contracor FSV flow control valve is designed for the precise metering of abrasive into the compressed air flow at the outlet of a blast machine.

Design features

The 45° inclined FSV valve design affords uniform mixture of air and abrasive. The valve's durable control disks provide precise metering of an abrasive quantity. The service port allows the valve to be cleared of clogging. The Contractor FSV flow control valve is designed for working with mineral abrasives (slag).

Order code	Model	Description
10110850	FSV	FSV Flow control valve 1.1/4"

SVG Metering Valve, Rubber Pipe For SGV Valve



The Contracor SGV flow control valve is designed for the precise metering of abrasive into the compressed air flow at the outlet of a blast machine.

Design features

The SGV valve is used for metering heavy or aggressive abrasive materials, such as steel shot and grit or aluminium oxide. The SGV design prevents the valve body from coming into contact with the abrasive stream. The abrasive stream only touches the rubber pipe, which may be quickly replaced when worn. The abrasive is metered by means of constricting the rubber pipe by a metering screw.

Order code	Model	Description
10110860	SGV	SGV flow control valve for heavy or aggressive materials
29000038		Rubber pipe for SGV valve, spare part

Remote Control System For Blast Vessels



The remote control system is used by a single abrasive blasting operator for starting up and shutting down the blast machine. The remote control system comprises a remote control RCV valve and remote control DMH handle, which are connected by a twin hose.

RCV remote control valve

The RCV remote control valve is used for controlling the compressed air feed to the machine while simultaneously controlling air blow-out from the machine. Both control functions run concurrently when the DMH handle is pressed or released by the abrasive blasting operator. Air is bled from the tank via a damper, which is included in the delivery set.

DMH remote control handle

The DMH remote control handle is fastened to the nozzle and connected to the RCV remote control valve using a dual hose.

Design features

The RCV remote control valve responds when the DMH handle is pressed. The blast machine's tank is pressurized and the abrasive blast cleaning process begins. When the DMH handle is released, the RCV remote control valve closes, the abrasive blast cleaning process terminates and the machine's tank depressurizes.

Order code	Model	Description
29005000	RCV-0	Remote control valve 1/2", with silencer and connection kit
29005001		Remote control valve 1/2", without silencer and connection kit
29005200		Silencer for RCV-0 Remote control valve 1/2"
10110870	RCV	Remote control valve 1.1/4", with silencer and connection kit
29000056		Remote control valve 1.1/4", without silencer and connection kit
29000058		Silencer for RCV Remote control valve 1 1/4"
10110880	DMH	DMH Remote control handle

ERCU Electric Remote Control Unit



The ERCU Electric Remote Control Unit is required when the operator is working at a distance greater than 40 m from the blast machine. The pneumatically-operated remote system has a response time that is too long for distances over 40m. At such long distances, a significant amount of time is needed for the air signal to reach the RCV valve.

The ERCU Electric Remote Control Unit sends an electric signal from the DMH handle on the blast vessel. The ERCU control box then sends a signal of air to the RCV valve, instructing it to open or close. The ERCU control box is mounted directly on the blast vessel and has no time delay in sending the signal.

Electric remote controls are also used in cold environments since pneumatic systems may freeze due to condensation that builds up within the lines.

ERCU switch cabinet



DMH-E electrical remote control handle



Extension cable



Transformer



Standard delivery:

ERCU Electric Remote Control Unit
- ERCU switch cabinet for mounting on BlastRazor sandblasting machine - DMH-E electrical remote control handle with cable with waterproof connector - 20m extension cable with connectors - 12 VDC transformer

Order code	Model	Description
10400500	ERCU	Electric remote control unit, complete.
10110890	DMH-E	Remote control handle, electric.

Blast Machine Spares
BlastRazor Z / Z-RC / Z-RCS



Order code	Description	Z	Z-RC	Z-RCS
10110930	Moisture separator 1 1/4", CAF-3	■	■	■
10110960	Pop-up valve, rubber	■	■	■
10110950	O-Ring, rubber	■	■	■
10110900	Sandblast coupling 1 1/4, CFT	■	■	■
10110980	Rubber gasket for CFT/CQT, spare part			

Rubberized Fittings For Blast Machines
BlastRazor Z / Z-RC / Z-RCS



Order code	Description	Z	Z-RC	Z-RCS
10110990	Y-piece 45° 1 1/4" rubberized	■	■	
10110911	Nipple 1 1/4" rubberized	■	■	■
10110921	Pipe 1 1/4" (100mm) rubberized	■	■	
10110948	T-piece, 90°, 1 1/4" (FFF), rubberized			■

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