

## Closed-Circuit Blasting Machine Problast 80 DV



### Machine type

Mobile pressure-fed air blasting machine with blast gun (closed-circuit blasting machine)

### Application

Rust removal, descaling, paint stripping, weld and mould cleaning, roughening and etching of rollers

### Assemblies

- *Blast gun*  
for simultaneous blasting and recovery of blast media and dust
- *Pressure vessel / Storage hopper*  
for reclaimed blast media
- *Reclaimer (air cyclone)*  
for separation of re-usable blast media from the recovery air flow
- *Dust collector with dust bin*  
for dust cleaning of recovery air flow
- *Vacuum generator*  
for generation of recovery air flow
- *Maintenance unit*  
for control of blasting pressure

### Technical data

Blasting method	pressure-fed
Vacuum generation	vacuum pump
Blast cycle duration (max.)	10 – 15 min
Air consumption (at 6.3 bar)	2.5 m <sup>3</sup> /min
Energy consumption	5.5 kW
Coating	RAL 5015
Dimensions (L/W/H)	2,050/750/2,300 mm
Empty weight	550 kg
Hose length	8 m
Blast gun	Ø 103 mm
Blast nozzle (boron carbide)	Ø 8 mm
Effective blast track width	28 – 32 mm
Blast media grit size	recommended:
- metallic	0.2 – 1.6 mm
- non-metallic	0.1 – 1.6 mm
Blast media throughput	at 6 bar:
- metallic	12 kg/min
- non-metallic	6 kg/min
Blast media storage capacity	with 60 l vessel:
- metallic	200 kg
- non-metallic	100 kg
Filter area	21 m <sup>2</sup>
Dust separation efficiency	> 99.9 %

### Options

Alternate brushes	concave, angular
Alternate blast guns	Ø 61, 71 mm
Hose extension	up to max. 16 m
Enlarged pressure vessel	120 l
External refilling hopper	manual / automatic
Blast media level control	sensor / level probe
High performance V-pump	7.5 kW
High performance separator	4.8 m <sup>3</sup> /min (R 1")
Magnetic separator	Ø 300 mm

### Remarks

Both the compressed air and the surface to be blasted must be dry and clean, i.e. free from water, oil and grease.