

Closed-Circuit Blasting Machine Problast 40 SV



Machine type

Mobile injection-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
- *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	injection-fed
Vacuum generation	vacuum pump
Blast cycle duration (max.)	continuous
Air consumption (at 6.3 bar)	1 m ³ /min
Energy consumption	3 kW
Coating	RAL 5015
Dimensions (L/W/H)	1,340/450/1,300 mm
Empty weight	180 kg
Hose length	3 m
Blast gun	Ø 61 mm
Blast nozzle (boron carbide)	Ø 9.5 mm (36 cfm)
Effective blast track width	18 – 20 mm
Blast media grit size	recommended:
- metallic	0.2 – 0.8 mm
- non-metallic	0.1 – 1.0 mm
Blast media throughput	at 6 bar:
- metallic	1.9 kg/min
- non-metallic	1.5 kg/min
Blast media storage capacity	with 30 l vessel:
- metallic	100 kg
- non-metallic	50 kg
Filter area	5.5 m ²
Dust separation efficiency	> 99.9 %

Options

Alternate brushes	concave, angular
Alternate blast guns	–
Hose extension	up to max. 6 m
Enlarged storage hopper	45 l
External refilling hopper	–
Blast media level control	–
High performance V-pump	–
High performance separator	1.8 m ³ /min (R ½")
Magnetic separator	–

Remarks

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