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QT-CERT Tanúsító és Minőségfejlesztő Kft.

**MSZ EN ISO 9001:2009**  
szabvány szerint tanúsítva  
Reg. szám: 100 182

# Catalog – 2015

QT-CERT Tanúsító és Minőségfejlesztő Kft.

## TANÚSÍTVÁNY

A QT-CERT Tanúsító és Minőségfejlesztő Kft.  
tanúsítja, hogy a

**SOFIA BLAST KFT.**  
H-4002 Debrecen, Petúnia u. 26.

**szemcsefúvó berendezések gyártása,  
alkatrészek és kellékanyagok kereskedelme**

tevékenységi területen minőségirányítási rendszert vezetett be és  
működtet. Az audit során, melynek jelentés száma 108-100/2015  
bizonyítást nyert, hogy a minőségirányítási rendszer az

**MSZ EN ISO 9001:2009**  
szabvány követelményeinek megfelel.

A tanúsítvány érvényes: 2018.03.06.  
Az első tanúsítás dátuma: 2012  
A tanúsítvány regisztrációs száma: 100 182



Miskolc, 2015. március 6.

tanúsítóhely vezető  
QT-CERT Tanúsító és Minőségfejlesztő Kft.

Rev: 2011.04.22

QT-CERT Tanúsító és Minőségfejlesztő Kft.

## CERTIFICATE

The QT-CERT Tanúsító és Minőségfejlesztő Kft.  
certificates, that

**SOFIA BLAST KFT.**  
H-4002 Debrecen, Petúnia u. 26.

has established and applies a quality management system for

**production of sand blasting equipment,  
trade of machine parts and auxiliary materials**

An audit was performed, Report No. 108-100/2015  
Proof has been furnished that the requirements according to

**MSZ EN ISO 9001:2009**  
are fulfilled.

The certificate is valid until: 2018-03-06  
Initial certification: 2012  
Certificate Registration No. 100 182



Miskolc, 2015-03-06

QT-CERT Tanúsító és Minőségfejlesztő Kft.

Rev: 2011.04.22

**For prices please contact by phone or e-mail!**

## Abrasive Sand Blast Pots with Valve Control



Type	Tank capacity
PSZM-10	100 liter
PSZM-20	200 liter

With accessories:

Abrasive metering valve FSV, abrasive sifter screen, mounted sand blast hose 10m, mounted hose delivering breathe air 10m, blasting helmet VEGA-S.

Type	Tank capacity
PSZM-10	100 liter
PSZM-20	200 liter

## Abrasive Sand Blast Pots with Remote Deadman Control



Type	Tank capacity
PSZC-10	100 liter
PSZC-20	200 liter

### With accessories:

Remote control valve RMS-2000, abrasive metering valve FSV, abrasive sifter screen, mounted sand blast hose 10 m, mounted hose delivering breathe air 10m, blasting helmet VEGA-S.

Type	Tank capacity
PSZC-10	100 liter
PSZC-20	200 liter

## Abrasive Sand Blast Pot with Valve Control



Type	Tank capacity
PSZM-2	24 liter
PSZM-6	60 liter
PSZM-11	115 liter

With accessories:

Abrasive metering valve, abrasive sifter screen, mounted sand blast hose 10 m, mounted hose delivering breathe air 10m, blasting helmet VEGA-S.

Type	Tank capacity
PSZM-2	24 liter

With accessories:

Abrasive metering valve, abrasive sifter screen, mounted sand blast hose 10 m, mounted hose delivering breathe air 10m, blasting helmet VEGA-S.

Type	Tank capacity
PSZM-6	60 liter
PSZM-11	115 liter

## Abrasive Sand Blast Pot with Remote Deadman Control



Type	Tank capacity
PSZC-6	60 liter
PSZC-11	115 liter

With accessories:

Remote control valve, abrasive metering valve, abrasive sifter screen, mounted sand blast hose 10 m, mounted hose delivering breathe air 10m, blasting helmet VEGA-S.

Type	Tank capacity
PSZ-6	60 liter
PSZC-11	115 liter

## Operator Safety Equipments

### Blast Helmet VEGA with panoramic FOV


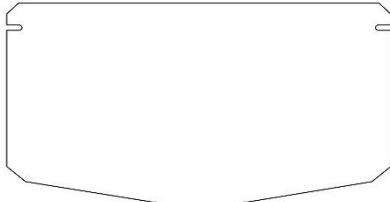






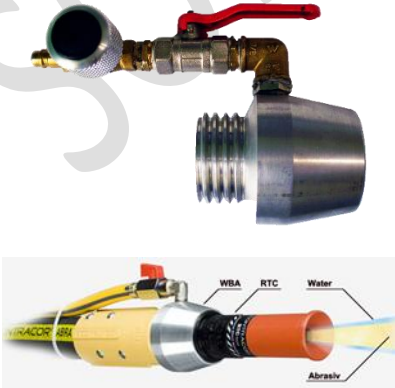
Type	Air conditioner	Polyurethane covering	Integrated earmuffs
VEGA-S	-	-	-
VEGA ReS-4G/OH	-	✓	✓
VEGA-S/KL	✓	-	-
VEGA ReS-	✓	✓	✓

### Blast Helmet GRANIT with square FOV



Type	Air conditioner	Polyurethane covering	Integrated earmuffs
GRANIT ReS-3G	-	-	-
GRANIT ReS-3/OH	-	✓	✓
GRANIT ReS-3/KL	✓	-	-
GRANIT ReS-3/OH/KL	✓	✓	✓

Picture	Description	Item No.
	<p>Panoramic glass for VEGA helmets</p>	
	<p>Viewfinder glass protective foil</p>	
	<p>Viewfinder Clemco Apollo 600</p>	
	<p>PL-15 Graffiti removal PL-15/1 PL-15/2</p>	
	<p>PL-15 Graffiti removal</p>	
	<p>ReS-ATR Respirator Air Control Valve CCT (Climate Control Tube)</p>	
	<p>Blaster lamp 12V 20W 24v 20 W</p>	

Picture	Description	Item No.
	<p>Moisture separator 1"</p>	
	<p>Mounted hose delivering breathe air 5m</p>	
	<p>Protective sandblasting overall</p>	
	<p>PSZV Moistening nozzle</p>	



## Nozzles

Some examples for air need (for information only):

Ø 4,5 mm	1000-1500 l/min
Ø 6,5 mm	2000-2500 l/min
Ø 8,0 mm	3000-3500 l/min
Ø 9,5 mm	4500-5000 l/min
Ø 11 mm	6500-7000 l/min

Approximate lifetime in hours

Nozzle's material	Metal grit / pellet	Sand	Aluminium oxide
<b>Tungsten carbide</b>	500-800	300-400	20-40
<b>Silicon carbide composite</b>	500-800	300-400	50-100
<b>Boron carbide</b>	1500-2500	750-1500	200-1000

## Tungsten nozzle (aluminum cover)



Type	Throat diameter	Length
CT 13-2/25	Ø 3,2 mm	44 mm
CT 13-3/25	Ø 4,8 mm	44 mm
CT 13-4/25	Ø 6,4 mm	44 mm
CT 13-5/25	Ø 8,0 mm	44 mm

## Boron carbide nozzle (aluminum cover)



Type	Throat diameter	Length
CB 13-2/25	Ø 3,2 mm	44 mm
CB 13-3/25	Ø 4,8 mm	44 mm
CB 13-4/25	Ø 6,4 mm	44 mm
CB 13-5/25	Ø 8,0 mm	44 mm

## Tungsten short Venturi nozzle (aluminum cover)



Type	Throat diameter	Length
NTS25-3/50	Ø 4,8 mm	84 mm
NTS32-4/50	Ø 6,4 mm	84 mm
NTS 32-5/50	Ø 8,0 mm	84 mm
NTS 32-6/50	Ø 9,5 mm	84 mm

## Tungsten long Venturi nozzle (aluminum cover)



Type	Throat diameter	Length
NTL 32-4/50	Ø 6,4 mm	135 mm
NTL 32-5/50	Ø 8,0 mm	145 mm
NTL 32-6/50	Ø 9,5 mm	170 mm
NTL 32-7/50	Ø 11 mm	200 mm
NTL 32-8/50	Ø 13 mm	230 mm

## Tungsten Venturi nozzle (aluminum & rubber cover)



Type	Throat diameter	Length
NJL 32-3/50	Ø 4,8 mm	135 mm
NJL 32-4/50	Ø 6,4 mm	135 mm
NJL 32-5/50	Ø 8,0 mm	145 mm
NJL 32-6/50	Ø 9,5 mm	170 mm
NJL 32-7/50	Ø 11 mm	200 mm
NJL 32-8/50	Ø 13 mm	230 mm

## Silicon Carbide Venturi nozzle (polyurethane cover)



Type	Throat diameter	Length
SCA 25-4/50	Ø 6,4 mm	135 mm
SCA 25-5/50	Ø 8,0 mm	145 mm
SCA 25-6/50	Ø 9,5 mm	170 mm
SCA 25-7/50	Ø 11 mm	200 mm
SCA 25-8/50	Ø 13 mm	230 mm

## Syclone Venturi nozzle (Polyurethane cover)



Type	Throat diameter	Length
<b>SY 32-4/50</b>	Ø 6,4 mm	140 mm
<b>SY 32-5/50</b>	Ø 8,0 mm	150 mm
<b>SY 32-6/50</b>	Ø 9,5 mm	175 mm
<b>SY 32-7/50</b>	Ø 11 mm	205 mm
<b>SY 32-8/50</b>	Ø 13 mm	235 mm

## Boron carbide Venturi nozzle (aluminum & rubber cover)



Type	Throat diameter	Length
RBN4 32-4/50	Ø 6,4 mm	140 mm
RBN4 32-5/50	Ø 8,0 mm	150 mm
RBN4 32-6/50	Ø 9,5 mm	180 mm
RBN4 32-7/50	Ø 11 mm	215 mm

## Tungsten angled nozzle (aluminum cover) with one or two side outlets for hose Ø19 mm



Type	Outlet	Throat diameter	Length
UAM 2x1	1	Ø 3,2 mm	76 mm
UAM 2x3	3	Ø 3,2 mm	76 mm
UAM 3x1	1	Ø 4,8 mm	76 mm
UAM 3x3	3	Ø 4,8 mm	76 mm
UAM 4x1	1	Ø 6,4 mm	76 mm
UAM 4x3	3	Ø 6,4 mm	76 mm
UAM 5x1	1	Ø 8,0 mm	76 mm
UAM 5x3	3	Ø 8,0 mm	76 mm
UAM 6x1	1	Ø 9,5 mm	76 mm
UAM 6x3	3	Ø 9,5 mm	76 mm

## Tungsten water jet nozzle (aluminum cover)



Type	Throat diameter	Length
<b>HYDWJ25-4/50</b>	Ø 6,4 mm	140 mm
<b>HYDWJ25-5/50</b>	Ø 8,0 mm	150 mm
<b>HYDWJ25-6/50</b>	Ø 9,5 mm	175 mm

## Boron carbidecurved nozzle (steel case 40°)



Type	Throat diameter
<b>CA0TOS669</b>	Ø 6,0 mm
<b>CA0TOS670</b>	Ø 8,0 mm
<b>CA0TOS671</b>	Ø 10 mm

## Blast nozzle nylon holders



Type	Thread diameter	Length
<b>HEP-0</b>	Ø 13 mm 3/4"	80 mm
<b>NHP-0</b>	Ø 13 mm 28x3,5 mm	80 mm

Rubber gasket
<b>HEP-0 G</b>
<b>NHP-0 G</b>

## Blast nozzle nylon holders



Rubber gasket
<b>NNH G</b>

Type	Hose size	Length
<b>NNH-3/4</b>	Ø 19x7 mm	100 mm
<b>NNH-1</b>	Ø 25x7 mm	100 mm
<b>NNH-2</b>	Ø 32x8 mm	100 mm
<b>NNH-3</b>	Ø 38x9 mm	100 mm



## Blast hose nylon couplings



Type	Hose size	Length
CQN-3/4	Ø 19x7 mm	110 mm
CQN-1	Ø 25x7 mm	110 mm
CQN-2	Ø 32x8 mm	110 mm
CQN-3	Ø 38x9 mm	110 mm

Rubber gasket
CQN-3/4 G
CQN-1 G
CQN-2 G
CQN-3 G

## Brass blast hose couplings



Rubber gasket
CQT-1 G
CQT-2 G

Type	Hose size	Length
CQT-1	Ø 25x7 mm	110 mm
CQT-2	Ø 32x8 mm	110 mm

## Sandblast Hose



### Dimension

Ø 13x7 mm

Ø 19x7 mm

Ø 25x7 mm

Ø 32x7 mm

## Lay flat mounted compressed air hose (20 bar)



### Dimension

Ø 19 mm

## Compressed air hose (20 bar)



### Dimension

Ø 13 mm

Ø 16 mm

Ø 19 mm

Ø 25 mm

Picture	Description	Item No.
	RLX-III Remote deadman control	
	Galvanised whip checks	
	jaw-type coupling	13 mm 16 mm 19 mm 25 mm
	jaw-type coupling (external thread)	1/2" 3/4" 1" 5/4"
	jaw-type coupling (internal thread)	1/2" 3/4" 1" 1 1/4"
	Rubber gasket for air coupling	
	Screw clamp 20 mm – 22 mm 29 mm – 31 mm 36 mm – 39 mm 40 mm – 43 mm 44 mm – 47 mm	
	Hose clamp (with two screw) SL 29: 22 mm – 29 mm SL 34: 28mm – 34 mm SL 40: 32 mm – 40 mm SL 49: 39 mm – 49 mm	

Picture	Description	Item No.
	Iron cast coupling CFT 1 1/4"	
	Gasket for CFT coupling	
	Rubber Pop-Up Valve Rubber O-Ring to Suit Pop-Up Valve	
	T fitting 45° 1 1/4" branch Rubberized pipe 1"1 1/4" Nipple 1"1 1/4"	
	T fitting 1 1/4"	
	Remote deadman control RMS-2000	
	Abrasive metering valve FSV1 1/4"	
	Abrasive metering valve S.A. 1 1/4"	

Picture	Description	Item No.
	<p>Glass bead</p> <p>Nr.1 0-50μ            Nr.2 40-70μ            Nr.3 70-110μ            Nr.4 90-150μ            Nr.5 100-200μ            Nr.6 150-250μ            Nr.7 200-300μ            Nr.8 300-400μ            Nr.9 400-600μ            Nr.10 600-800μ</p>	<p>10031            10032            10033            10034            10035            10036            10037            10038            10039            10040</p>
	<p>Corundum ( white aluminium oxide)</p> <p>P20 850-1400μ            P30 500-850μ            P40 355-600μ            P54 250-420μ            P60 150-250μ            P100 100-200μ            P120 90-150μ            P150 63-125μ            P220 45-90μ</p>	
	<p>Steel Grit            GH-50            GH-80</p>	

## Radial Flow Volute Centrifugal Fans



Type	Flow rate	Output
PSZVN-30/2	4 500 m <sup>3</sup> /h	400 V – 2,2 kW
PSZVN-40/2	6 000 m <sup>3</sup> /h	400 V – 3 kW
PSZVH-31.5/2	1 500 m <sup>3</sup> /h	400 V – 0,75 kW
PSZVH-40/2	4 800 m <sup>3</sup> /h	400 V – 4 kW
PSZVH-63/4	10 000 m <sup>3</sup> /h	400 V – 4 kW

## Sand Blast Cabinets with Dry Filter Dust Collector for intermittent operation



Type	Dimension	Version
PSZK-2	900 x 750 x 700	Without dry filter dust collector
PSZK-2/1	900 x 750 x 700	With PSZL-2 dust collector
PSZK-3	1200 x 750 x 700	Without dry filter dust collector
PSZK-3/1	1200 x 750 x 700	With PSZL-2 dust collector

### Options

Turn Table

Track and Roll-In Trolley (with turn table)

Track and Roll-In Trolley (with fix table)

## Dry Filter Dust Collector for intermittent operation



Type	Specification
PSZL-2	Filter surface: 1 m <sup>2</sup> Flow rate: 600 m <sup>3</sup> /h
PSZL-4	Filter surface: 2 m <sup>2</sup> Flow rate: 600 m <sup>3</sup> /h

## Dry Filter Dust Collector for continuous operation PSZL-20





## PSZL-10



Type	Specification
<b>PSZL-10</b>	Filter surface: 14 m <sup>2</sup> Flow rate: 1 500 m <sup>3</sup> /h
<b>PSZL-20</b>	Filter surface: 28 m <sup>2</sup> Flow rate: 2 500 m <sup>3</sup> /h

# Sand Blast Cabinets with Dry Filter Dust Collector for industrial use



Type	Dimension	Version
<b>PSZK-S</b>	1000 x 950 x 950	injector
<b>PSZK-ST</b>	1000 x 950 x 950	Pressure vessel 10 l
<b>PSZK-ST</b>	1500 x 950 x 950	Pressure vessel 10 l
<b>PSZK-S/1</b>	1500 x 950 x 950	injector
<b>PSZK-S/1 V</b>	1500 x 1000 x 950	injector, abrasive cleaning
<b>PSZK-S/2 V</b>	1500 x 1000 x 1000	Pressure vessel 24 l, abrasive cleaning
<b>PSZK-S/3 V</b>	1500 x 1250 x 1200	Pressure vessel 24 l, abrasive cleaning
<b>PSZK-S/4 V</b>	1500 x 1450 x 1200	Pressure vessel 24 l, abrasive cleaning
<b>PSZK-S/5 V</b>	2000 x 1450 x 1200	Pressure vessel 100 l, abrasive cleaning

## Options

Turn Table

Track and Roll-In Trolley (with turn)

Track and Roll-In Trolley (with fix)

*Design and production of unique abrasive blast cabins*



*Design and production of unique abrasive blast cabins*

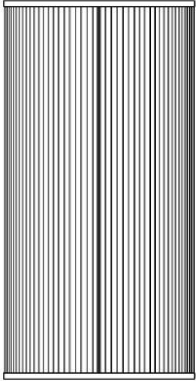


SOFIA

Picture	Description	Item No.
	BNP Suction Blast Guns	
	Clemco BNP Suction Blast Guns	
	Nut for BNP Guns	
	Boron carbide nozzle for BNP guns Ø 6 mm Ø 8 mm Ø 9,5 mm	
	Suction branch for BNP Guns 3/8"-13 mm Galvanized steel Stainless steel	
	PSZJ Suction Blast Guns	
	Boron carbide pre-nozzle for PSZJ 8 mm 10 mm	
	Boron carbide nozzle for PSZJ 8mm 10 mm	

Picture	Description	Item No.
	Air nozzle for PSZJ	
	Air nozzle for BNP	
	Pneumatic Foot pedal on/off control	
	Electric Foot pedal on/off control	
	Filter-pressure control  G 3/8" G 1/2" G 3/4" G 1"	
	Air preparator  G 3/8"	
	Manual valve  5/2- 1/4"	

Picture	Description	Item No.
	Magnet valve	
	Magnet valve coil	
	Filter cartridge petcock valve 3/4" 1"	
	Blast cabinet protective foil 180 x 615 mm 250 x 500 mm 300 x 480 mm 360 x 615 mm	
	Blast cabinet heavy duty rubber gauntlets SOFIA 200 SOFIA 200 (left) SOFIA 200 (right) SOFIA 250 SOFIA 300	
	Clemco blast cabinet heavy duty rubber gauntlets	

Picture	Description	Item No.
	<p>Filter cartridge L-227/380.0</p> <p>Filter cartridge L-282/405.2</p> <p>Filter cartridge L-327/660mm</p>	

*Products are tax-free for companies who has a valid EU VAT nr.!*

*Product specifications are for information only!*

*Pictures in the catalog are for illustration purposes only!*

*Prices are subject to change without notice!*

*We apologize for any discrepancies.*

SOFIA BLAST KFT.