

Bench burners

Herbert Arnold GmbH & Co. KG Weilburg
Amtsgericht Limburg HRA-Nr. 2032 P.h.G.: H. u. W. Arnold GmbH Weilburg
Amtsgericht Limburg HRB-Nr. 3071 Geschäftsführer: Dipl.-Ing. Wolfram Arnold

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Bench burner 114/1 PSL a-c

Item number: 114/1 PSL a - c

Category: Bench burners

Surface mix for propane, oxygen and air. Noiseless bench burner for propane and oxygen, with special flame stabilising system that allows to operate the burner also with a surplus of air and therefore with cooler flame. The burner is mounted on a solid cast iron foot with ball joint. The optimal burner for processing borosilicate glass. Advantages: noiseless working method - large field of application - stable, homogeneous flame aspect from sharp, concentrated pin-point flame to intensive flame, continuously adjustable by single twist grip - burner control via ball valves, maintenance free and resistant to wear - high efficiency through intensive combustion of the gases - long lasting by using high-quality materials and components - burner head solid made from nonscaling stainless steel - connection glass with thread NEW: Stop valve for gas at burner body - Air regulation possible by means of needle valve - improved pin-point flame



Bench burners 114/1 PSL a N

Item number: VB1-00865

Bench burner Zenit

Bench burners 114/1 PSL b N

Item number: VB1-01312

Bench burner Zenit

Bench burners 114/1 PSL c

Item number: VB1-00250

Bench burner Zenit

Bench burner 114/2 ESL a-b N + c

Item number: 114/2 ESL a-b N + c

Category: Bench burners

Surface mix for natural gas, oxygen and air. Noiseless bench burner for natural gas and oxygen, with special flame stabilising system that allows to operate the burner also with a surplus of air and therefore with cooler flame. The burner is mounted on a solid cast iron foot with ball joint. The optimal burner for processing borosilicate glass. Advantages: noiseless working method - large field of application - stable, homogeneous flame aspect from sharp, concentrated pin-point flame to intensive flame, continuously adjustable by single twist grip - burner control via ball valves, maintenance free and resistant to wear - high efficiency through intensive combustion of the gases - long lasting by using high-quality materials and components - burner head solid made from nonscaling stainless steel - connection glass with thread New: Stop valve for gas at burner body - Air regulation possible by means of needle valve - improved pin-point flame



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Bench burners 114/2 ESL a N

Item number: VB1-01194

Bench burner "Zenit"

Bench burners 114/2 ESL b N

Item number: VB1-01243

Bench burner Zenit

Bench burners 114/2 ESL c

Item number: VB1-00251

Bench burner Zenit

Bench burner 114/3 WS a-c

Item number: 114/3 WS a-c

Category: Bench burners

Surface mix
for hydrogen and oxygen.
Noiseless bench burner for hydrogen and oxygen
The burner is mounted on a solid cast iron foot with ball joint. The optimal burner for processing quartz glass.
Advantages:
- noiseless working method
- large field of application
- stable, homogeneous flame aspect from sharp, concentrated pin-point flame to intensive flame, continuously adjustable by single twist grip
- burner control via ball valves, maintenance free and resistant to wear - high efficiency through intensive combustion of the gases
- long lasting by using high-quality materials and components
- burner head solid made from nonscaling stainless steel
- connection glass with thread
- Gas shut-off valve at the burner body



Bench burners 114/3 WS a

Item number: VB1-00246

Bench burner Zenit

Bench burners 114/3 WS b

Item number: VB1-00249

Bench burner Zenit

Bench burners 114/3 WS c

Item number: VB1-00252

Bench burner Zenit

Tischbrenner 115 EL a-b

Item number: 115 EL a-b

Category: Bench burners

Premix
for natural gas and air with three replaceable jets.

Bench burners 115 EL a

Item number: VB1-00253

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Bench burner

Bench burners 115 EL b

Item number: VB1-00257

Bench burner

Bench burner 115 PL a+b

Item number: 115 PL a+b

Category: Bench burners

Premix for propane and air with three replaceable jets.

Bench burners 115 PL a

Item number: VB1-00255

Bench burner

Bench burners 115 PL b

Item number: VB1-00259

Bench burner

Bench burner 127 EL a-d

Item number: 127 EL a-d

Category: Bench burners

Parallel cracking-off and fusion burner, premix system, for natural gas and air.

Bench burners 127 EL A

Item number: VB1-01025

Cracking-off burner with 3 jets

Bench burners 127 EL B

Item number: VB1-01026

Cracking-off burner with 4 jets

Bench burners 127 EL C

Item number: VB1-01027

Cracking-off burner with 5 jets

Bench burners 127 EL D

Item number: VB1-01028

Cracking-off burner with 6 jets

Bench burner 127 ESL a-d

Item number: 127 ESL a-d

Category: Bench burners

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Parallel cracking-off and fusion burner, premix system, for natural gas, oxygen and air.

Bench burners 127 ESL A

Item number: VB1-01021

Cracking-off burner with 3 jets

Bench burners 127 ESL B

Item number: VB1-01022

Cracking-off burner with 4 jets

Bench burners 127 ESL C

Item number: VB1-01023

Cracking-off burner with 5 jets

Bench burners 127 ESL D

Item number: VB1-01024

Cracking-off burner with 6 jets

Bench burner 135/5 a-b

Item number: 135/5 a-b

Category: Bench burners

Consisting of cast iron base and guiding tube with clamping screw.
Dia. of base: 140 mm

Bench burners 135/5 a

Item number: VB1-00869

Stand

Bench burners 135/5 b

Item number: VB1-00870

Stand

Bench burner 140 EL a-g

Item number: 140 EL a-g

Category: Bench burners

Mixed gas feed for natural gas and airthree row drilling, with two adjustable flame limitation slides, complete with height adjustable base on casting base.

Bench burners 140 EL a

Item number: VB1-00554

Ribbon burner, 80 mm

Bench burners 140 EL b

Item number: VB1-00555

Ribbon burner, 100 mm

Bench burners 140 EL c

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Item number: VB1-00556

Ribbon burner, 120 mm

Bench burners 140 EL d

Item number: VB1-00558

Ribbon burner, 140 mm

Bench burners 140 EL e

Item number: VB1-00559

Ribbon burner, 160 mm

Bench burners 140 EL f

Item number: VB1-00561

Ribbon burner, 180 mm

Bench burners 140 EL g

Item number: VB1-00562

Ribbon burner, 200 mm

Bench burner 140 ESL a-g

Item number: 140 ESL a-g

Category: Bench burners

Mixed gas feed for natural gas, oxygen and airthree row drilling, with two adjustable flame limitation slides, complete with height adjustable base on casting base.

Bench burners 140 ESL a

Item number: VB1-00557

Ribbon burner, 80 mm

Bench burners 140 ESL b

Item number: VB1-00560

Ribbon burner, 100 mm

Bench burners 140 ESL c

Item number: VB1-00570

Ribbon burner, 120 mm

Bench burners 140 ESL d

Item number: VB1-00571

Ribbon burner, 140 mm

Bench burners 140 ESL e

Item number: VB1-00572

Ribbon burner, 160 mm

Bench burners 140 ESL f

Item number: VB1-00573

Ribbon burner, 180 mm

Bench burners 140 ESL g

Item number: VB1-00574

Ribbon burner

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Bench burner 140 PL a-g

Item number: 140 PL a-g

Category: Bench burners

mixed gas feed for propane gas and air
three row drilling, with two adjustable flame limitation slides, complete with height adjustable base on casting base.

Bench burners 140 PL a

Item number: VB1-00563

Ribbon burner, 80 mm

Bench burners 140 PL b

Item number: VB1-00564

Ribbon burner, 100 mm

Bench burners 140 PL c

Item number: VB1-00565

Ribbon burner, 120 mm

Bench burners 140 PL d

Item number: VB1-00566

Ribbon burner

Bench burners 140 PL e

Item number: VB1-00567

Ribbon burner, 160 mm

Bench burners 140 PL f

Item number: VB1-00568

Ribbon burner, 180 mm

Bench burners 140 PL g

Item number: VB1-00569

Ribbon burner, 200 mm

Bench burner 140 PSL a-g

Item number: 140 PSL a-g

Category: Bench burners

Mixed gas feed for propane gas, oxygen and air, three row drilling, with two adjustable flame limitation slides, complete with height adjustable base on casting base.

Bench burners 140 PSL a

Item number: VB1-00575

Ribbon burner, 80 mm

Bench burners 140 PSL b

Item number: VB1-00576

Ribbon burner, 100 mm

Bench burners 140 PSL c

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Item number: VB1-00577

Ribbon burner, 120 mm

Bench burners 140 PSL d

Item number: VB1-00578

Ribbon burner, 140 mm

Bench burners 140 PSL e

Item number: VB1-00579

Ribbon burner, 160 mm

Bench burners 140 PSL f

Item number: VB1-00580

Ribbon burner, 180 mm

Bench burners 140 PSL g

Item number: VB1-00581

Ribbon burner

Bench burner 140/1 ES a-g

Item number: 140/1 ES a-g

Category: Bench burners

- Surface Mix -
for natural gas and oxygen, with three rows of jets. Length of flame could be individually adjusted via integrated flame limiting slide. Burner complete with height adjustable stand on cast iron foot.
Advantages:
- high heating capacity
- homogen

Bench burners 140/1 ES a

Item number: VB1-00838

Ribbon burner, 100 mm

Bench burners 140/1 ES b

Item number: VB1-00804

Ribbon burner, 150 mm

Bench burners 140/1 ES c

Item number: VB1-00839

Ribbon burner, 200 mm

Bench burners 140/1 ES d

Item number: VB1-00840

Ribbon Burner, 250 mm

Bench burners 140/1 ES e

Item number: VB1-00841

Ribbon Burner, 300 mm

Bench burners 140/1 ES f

Item number: VB1-00828

Ribbon burner, 350 mm

Bench burners 140/1 ES g

Item number: VB1-00842

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Ribbon burner 400 mm for natural gas

Bench burners 126/2 PS

Item number: VB1-00282

Category: Bench burners

Premix for propane and oxygen. For a special large, fine-adjustable flame range, especially stabilised by five replaceable jets made from stainless steel acc. to cat. no. 126/2.1001 E/P, sizes a - e. Advantages: - sharp, concentrated flame - homogenous flame because of an expensive mixing system - extremely high heating capacity - jets made from stainless steel

Technical data
Jet bore: 1,2-1,5-2,0-2,7-3,5 mm
Gland diameter - gas for hose of size: 9 mm
Connection thread gas: G 3/8 LH
Gland diameter - oxygen for hose of size: 6 mm
Connection thread oxygen: G 1/4
Gas pre-pressure: 50 - 500 mbar
Oxygen pre-pressure: 1 - 2 bar
Max gas flow: 0,5 m³/h
Max. oxygen flow: 1,6 m³/h
Capacity: 13,0 kW

Bench burners 126/2 WS

Item number: VB1-00283

Category: Bench burners

Premix for hydrogen and oxygen. For a special large, fine-adjustable flame range, especially stabilised by five replaceable single-hole jets made from stainless steel acc. to cat. no. 126/2.1001 W, sizes a - e. Advantages: - sharp, concentrated flame - homogenous flame because of an expensive mixing system - extremely high heating capacity - jets made from stainless steel

Technical data
Jet bore: 1,2-1,5-2,0-2,7-3,5 mm
Gland diameter - gas for hose of size: 9 mm
Connection thread gas: G 3/8 LH
Gland diameter - oxygen for hose of size: 6 mm
Connection thread oxygen: G 1/4
Gas pre-pressure: 100 - 1000 mbar
Oxygen pre-pressure: 1 - 2 bar
Max gas flow: 2,4 m³/h
Max. oxygen flow: 1,4 m³/h
Capacity: 7,2 kW

Bench burners 126/2 ES

Item number: VB1-00281

Category: Bench burners

Premix for natural gas and oxygen. For a special large, fine-adjustable flame range, especially stabilised by five replaceable jets made from stainless steel acc. to cat. no. 126/2.1001 E/P, sizes a - e. Advantages: - sharp, concentrated flame - homogenous flame because of an expensive mixing system - extremely high heating capacity - jets made from stainless steel

Technical data
Jet bore: 1,2-1,5-2,0-2,7-3,5 mm
Gland diameter - gas for hose of size: 9 mm
Connection thread gas: G 3/8 LH
Gland diameter - oxygen for hose of size: 6 mm
Connection thread oxygen: G 1/4
Gas pre-pressure: 22 mbar
Oxygen pre-pressure: 1 - 2 bar
Max gas flow: 0,8 m³/h
Max. oxygen flow: 1,45 m³/h
Capacity: 7,7 kW

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Bench burners 127 PSL D

Item number: VB1-00867

Category: Bench burners

Parallel cracking-off and fusion burner, premix system, for propane gas, oxygen and air, Diameter of jets: 14 mm Holding rod diameter: 10 mm - without stand and base -

Bench burners 127/1 ESL b

Item number: VB1-00866

Category: Bench burners

Parallel cracking-off and fusion burner, premix system, for natural gas, oxygen and air. Dia. of jets: 17 mm

Bench burners 127/2 PSL d

Item number: VB1-00868

Category: Bench burners

Parallel cracking-off and fusion burner, premix system, for propane gas, oxygen and air. Additionally with one intermediate valve each per jet. Dia. of jets: 17 mm

Bench burners 126 WS

Item number: VB1-00271

Category: Bench burners

Premix for hydrogen and oxygen with three replaceable single-hole jets made of stainless steel acc. to cat. no. 180/20 Advantages: - sharp, concentrated flame - extremely high heating capacity - most suitable for processing quartz glass: burner jet made from stainless steel, see cat. no. 180/20 Technical data: Jet bore: 1,5-2,5-3,5 mm Gland diameter - gas for hose of size: 9 mm Gland diameter - oxygen for hose of size: 6 mm Gas pre-pressure: 100 - 500 mbar Oxygen pre-pressure: 1 - 1,5 bar Max. gas flow: 1,5 m³/h Max. oxygen flow: 0,8 m³/h Capacity: 4,5 kW

Bench burners 126 PS

Item number: VB1-00270

Category: Bench burners

Premix for propane and oxygen with three replaceable jets made of brass acc. to cat. no. 180/25

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Advantages:- sharp, concentrated flame- extremely high heating capacity- most suitable for processing quartz glass: burner jet made from stainless steel, see cat. no. 180/25
Technical data: Jet bore: 1,5-2,0-2,5 mm Gland diameter - gas for hose of size: 9 mm Gland diameter - oxygen for hose of size: 6 mm Gas pre-pressure: 50 - 500 mbar Oxygen pre-pressure: 1 - 1,5 bar Max. gas flow: 0,2 m³/h Max. oxygen flow: 0,7 m³/h Capacity: 5,2 kW

Bench burners 126 ES

Item number: VB1-00269

Category: Bench burners

Premix for natural gas and oxygen with three replaceable jets made of brass acc. to cat. no. 180/25
Advantages:- sharp, concentrated flame- extremely high heating capacity- most suitable for processing quartz glass: burner jet made from stainless steel, see cat. no. 180/25
Technical data: Jet bore: 1,5-2,0-2,5 mm Gland diameter - gas for hose of size: 9 mm Gland diameter - oxygen for hose of size: 6 mm Gas pre-pressure: 22 mbar Oxygen pre-pressure: 1 - 1,5 bar Max. gas flow: 0,4 m³/h Max. oxygen flow: 0,7 m³/h Capacity: 3,85 kW

Bench burners 103 PSL

Item number: VB1-00210

Category: Bench burners

Surface mixer for propane, oxygen and air. With three replaceable burner jets for several flame sizes. The burner is equipped with a special flame stabilising system. Therefore he also can be operated with a high air proportion for cooling the flames. The burner is mounted on a cast iron foot with ball joint.
Advantages- very good flame adjustment from pin-point flame to bushy flame- operation either with gas and oxygen or gas and air with slight addition of oxygen for flame stabilising. Technical data Gas bore: 6 mm Flame tube diameter: 25 mm Jet bore: 0,7/1,0/1,5 mm Gland diameter - gas for hose of size: 9 mm Gland diameter - oxygen for hose of size: 6 mm Gland diameter - air for hose of size: 9 mm Gas pre-pressure: 50 mbar Oxygen pre-pressure: 1 - 1,5 bar Air pre-pressure: 1 - 1,5 bar Max. gas flow: 0,8 m³/h Max oxygen flow: 1,9 m³/h Max. air flow: 2,0 m³/h Capacity: 20,8 kW



Bench burners 105 ESL

Item number: VB1-00207

Category: Bench burners

Surface mixer for natural gas, oxygen and air. With three replaceable burner jets for several flame sizes. The burner is equipped with a special flame stabilising system. Therefore he also can be operated with a high air proportion for cooling the flames. The burner is mounted on a cast iron foot with ball joint.
Advantages- very good flame adjustment from pin-point flame to bushy flame-



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operation either with gas and oxygen or gas and air with slight addition of oxygen for flame stabilising. Technical data Gas bore: 12 mm Flame tube diameter: 30 mm Jet bore: 1,0/1,5/2,5 mm Gland diameter - gas for hose of size: 9 mm Gland diameter - oxygen for hose of size: 6 mm Gland diameter - air for hose of size: 9 mm Gas pre-pressure: 22 mbar Oxygen pre-pressure: 1,5 - 2 bar Air pre-pressure: 1 - 2 bar Max. gas flow: 4,8 m³/h Max oxygen flow: 2,8 m³/h Max. air flow: 3,3 m³/h Capacity: 48,0 kW

Bench burners 105 PSL

Item number: VB1-00211

Category: Bench burners

Surface mix for propane, oxygen and air. With three replaceable burner jets for several flame sizes. The burner is equipped with a special flame stabilising system. Therefore he also can be operated with a high air proportion for cooling the flames. The burner is mounted on a cast iron foot with ball joint. Advantages- very good flame adjustment from pin-point flame to bushy flame- operation either with gas and oxygen or gas and air with slight addition of oxygen for flame stabilising. Technical data Gas bore: 9 mm Flame tube diameter: 30 mm Jet bore: 1,0/1,5/2,5 mm Gland diameter - gas for hose of size: 9 mm Gland diameter - oxygen for hose of size: 6 mm Gland diameter - air for hose of size: 9 mm Gas pre-pressure: 50 mbar Oxygen pre-pressure: 1,5 - 2 bar Air pre-pressure: 1 - 2 bar Max. gas flow: 1,3 m³/h Max oxygen flow: 2,2 m³/h Max. air flow: 3,3 m³/h Capacity: 33,8 kW



Bench burners 103 ESL

Item number: VB1-00206

Category: Bench burners

Surface mix for natural gas, oxygen and air. With three replaceable burner jets for several flame sizes. The burner is equipped with a special flame stabilising system. Therefore he also can be operated with a high air proportion for cooling the flames. The burner is mounted on a cast iron foot with ball joint. Advantages- very good flame adjustment from pin-point flame to bushy flame- operation either with gas and oxygen or gas and air with slight addition of oxygen for flame stabilising. Technical data Gas bore: 7,5 mm Flame tube diameter: 25 mm Jet bore: 0,7/1,0/1,5 mm Gland diameter - gas for hose of size: 9 mm Gland diameter - oxygen for hose of size: 6 mm Gland diameter - air for hose of size: 9 mm Gas pre-pressure: 22 mbar Oxygen pre-pressure: 1 - 1,5 bar Air pre-pressure: 1 - 1,5 bar Max. gas flow: 2,3 m³/h Max oxygen flow: 2,1 m³/h Max. air flow: 2,1 m³/h Capacity: 23,0 kW



Bench burners 140/1 PSL f

Item number: VB1-00827

Category: Bench burners

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- Surface Mix -for propane gas, oxygen and air,with three rows of jets. Length of flame could be individually adjusted via integrated flame limiting slide. Burner complete with height adjustable stand on cast iron foot. Advantages:- high heating capacity- ho

Bench burners Q 126/5 WS

Item number: VB1-00516

Category: Bench burners

Surface mix, for hydrogen and oxygen, especially made for the quartz processing industry. Advantages:- body, needle valves and hose glands made from stainless steel- burner head made from quartz glass, therefore no metallic burn-up- small, concentrated and homogenous flame. Technical data: Gland diameter for gas 9 mm Gland diameter for oxygen 6 mm Pre-pressure gas 1,0 - 1,5 bar Pre-Pressure oxygen 1,5 - 2,0 bar Max. gas flow 2,6 m³/h Max. oxygen flow 1,25 m³/h Capacity 7,8 kW

Bench burners 101 PSL

Item number: VB1-00209

Category: Bench burners

Surface mix for propane, oxygen and air. With three replaceable burner jets for several flame sizes. The burner is equipped with a special flame stabilising system. Therefore he also can be operated with a high air proportion for cooling the flames. The burner is mounted on a cast iron foot with ball joint. Advantages- very good flame adjustment from pin-point flame to bushy flame- operation either with gas and oxygen or gas and air with slight addition of oxygen for flame stabilising. Technical data Gas bore: 6 mm Flame tube diameter: 20 mm Jet bore: 0,7/1,0/1,5 mm Gland diameter - gas for hose of size: 9 mm Gland diameter - oxygen for hose of size: 6 mm Gland diameter - air for hose of size: 9 mm Gas pre-pressure: 50 mbar Oxygen pre-pressure: 1 - 1,5 bar Air pre-pressure: 1 - 1,5 bar Max. gas flow: 0,6 m³/h Max oxygen flow: 0,5/1,7 m³/h Max. air flow: 1,8 m³/h Capacity: 15,6 kW

Bench burners 101 ESL

Item number: VB1-00205

Category: Bench burners

Surface mix for natural gas, oxygen and air. With three replaceable burner jets for several flame sizes. The burner is equipped with a special flame stabilising system. Therefore he also can be operated with a high air proportion for cooling the flames. The burner is mounted on a cast iron foot with ball joint. Advantages- very good flame adjustment from pin-point flame to bushy flame- operation either with gas and oxygen or gas and air with slight addition of oxygen for flame stabilising. Technical data Gas bore: 7,5 mm Flame tube diameter: 20 mm Jet

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bore: 0,7/1,0/1,5 mm Gland diameter - gas for hose of size: 9 mm Gland diameter - oxygen for
hose of size: 6 mm Gland diameter - air for hose of size: 9 mm Gas pre-pressure: 22
mbar Oxygen pre-pressure: 1 - 1,5 bar Air pre-pressure: 1 - 1,5 bar Max. gas flow: 2,0
m³/h Max oxygen flow: 2,0 m³/h Max. air flow: 2,0 m³/h Capacity: 20,0 kW

Bench burners 100 PSL

Item number: VB1-00208

Category: Bench burners

Surface mixer for propane, oxygen and air. With three replaceable burner jets for several flame sizes. The burner is equipped with a special flame stabilising system. Therefore he also can be operated with a high air proportion for cooling the flames. The burner is mounted on a cast iron foot with ball joint. Advantages- very good flame adjustment from pin-point flame to bushy flame- operation either with gas and oxygen or gas and air with slight addition of oxygen for flame stabilising. Technical data Gas bore: 3 mm Flame tube diameter: 14 mm Jet bore: 0,5/0,8/1,0 mm Gland diameter - gas for hose of size: 9 mm Gland diameter - oxygen for hose of size: 6 mm Gland diameter - air for hose of size: 9 mm Gas pre-pressure: 50 mbar Oxygen pre-pressure: 1 - 1,5 bar Air pre-pressure: 0,5 - 1,5 bar Max. gas flow: 0,4 m³/h Max oxygen flow: 0,8 m³/h Max. air flow: 0,7 m³/h Capacity: 10,4 kW

Bench burners 100 ESL

Item number: VB1-00204

Category: Bench burners

Surface mixer for natural gas, oxygen and air. With three replaceable burner jets for several flame sizes. The burner is equipped with a special flame stabilising system. Therefore he also can be operated with a high air proportion for cooling the flames. The burner is mounted on a cast iron foot with ball joint. Advantages- very good flame adjustment from pin-point flame to bushy flame- operation either with gas and oxygen or gas and air with slight addition of oxygen for flame stabilising. Technical data Gas bore: 3 mm Flame tube diameter: 14 mm Jet bore: 0,5/0,8/1,0 mm Gland diameter - gas for hose of size: 9 mm Gland diameter - oxygen for hose of size: 6 mm Gland diameter - air for hose of size: 9 mm Gas pre-pressure: 22 mbar Oxygen pre-pressure: 1 - 1,5 bar Air pre-pressure: 0,5 - 1,5 bar Max. gas flow: 0,8 m³/h Max oxygen flow: 0,8 m³/h Max. air flow: 0,7 m³/h Capacity: 8,0 kW

Bench Burner Zenit - Limited Edition

Item number: VB1-01726

Category: Bench burners

It has been painted by a world-famous airbrush specialist from Germany. Many racers of the DTM



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as well as of the Formula One get their helmets painted by this artist. Not only the painting on this Zenit is very special, but also the buttons have been revised and revalued by aluminium. Of course, this burner is ready for use in our well-known quality. For this burner we grant a lifetime guarantee for all parts subject to wear.

The official presentation of this burner was during 6th and 9th June 2007 on the occasion of the International Glassblower's meeting in Veldhoven (NL).

It is a "Zenit PS a" for the use of propane. The head diameter is 40 mm.

Head diameter	40 mm
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Hand burners

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Hand burner 141/3 WS a-d 90.160 T-110.660 T

Item number: 141/3 WS a-d 90.160 T-110.660 T

Category: Hand burners

Surface mix with multiple jet head for hydrogen and oxygen. Burner tubes, valves and burner cap are made of brass, jets of stainless steel. Execution with connecting sockets.

Advantages: - silent working method - high heating capacity and concentrated heating zone because of separate controllable middle jet - homogenous, variable flame aspect from sharp, concentrated pin-point flame up to large intensive flame

Hand burners 141/3 WS a 110.160 T

Item number: VB1-00061

Hand burner

Hand burners 141/3 WS a 110.270 T

Item number: VB1-00065

Hand burner

Hand burners 141/3 WS a 90.160 T

Item number: VB1-00069

Hand burner

Hand burners 141/3 WS a 90.270 T

Item number: VB1-00073

Hand burner

Hand burners 141/3 WS b 110.160 T

Item number: VB1-00062

Hand burner

Hand burners 141/3 WS b 110.270 T

Item number: VB1-00066

Hand burner

Hand burners 141/3 WS b 110.660 T

Item number: VB1-01010

Hand burner

Hand burners 141/3 WS b 90.160 T

Item number: VB1-00070

Hand burner

Hand burners 141/3 WS b 90.270 T

Item number: VB1-00074

Hand torch

Hand burners 141/3 WS c 110.160 T

Item number: VB1-00063

Hand burner

Hand burners 141/3 WS c 110.270 T

Item number: VB1-00067

Hand burner

Hand burners 141/3 WS c 90.160 T

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Item number: VB1-00071

Hand burner

Hand burners 141/3 WS c 90.270 T

Item number: VB1-00075

Hand burner

Hand burners 141/3 WS d 110.160 T

Item number: VB1-00064

Hand burner

Hand burners 141/3 WS d 110.270 T

Item number: VB1-00068

Hand burner

Hand burners 141/3 WS d 90.160 T

Item number: VB1-00072

Hand burner

Hand burners 141/3 WS d 90.270 T

Item number: VB1-00076

Hand burner

Hand burners 126/22.1003

Item number: VB1-00203

Category: Hand burners

for the acceptance of the hand torch 126/22, consisting of heavy cast iron foot with ball joint and height adjustable stand with clamping piece.

Hand burners 126/20 WS

Item number: VB1-00131

Category: Hand burners

Premix for hydrogen and oxygen. The burner is especially suitable for production and processing of smallest glass and quartz glass instruments, for fine soldering works, e. g. decoration industries and the dental surgery. Advantages: - highly concentrated, fine needle flame - high heating capacity
Standard accessories: - 1 pce. bent jet made of copper with stainless steel insert, 0,3 mm bore - 1 pce. bent jet made of copper with stainless steel insert, 0,5 mm bore
Jets acc. to cat. no. 126/20.1001.
Technical data
Gas bore: 2 mm
Jet bore: 0,3 - 0,5 mm
Total length: 165 mm
Gland diameter gas: 3,5 mm
Gland diameter oxygen: 3,5 mm
Gas pre-pressure: 200 - 500 mbar
Oxygen pre-pressure: 0,5 - 1,5 bar
Max. gas flow: 0,45 m³/h
Max. oxygen flow: 0,19 m³/h
Capacity: 1,35 kW

Hand burners 126/20 PS

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Item number: VB1-00129

Category: Hand burners

Premix for propane and oxygen. The burner is especially suitable for production and processing of smallest glass and quartz glass instruments, for fine soldering works, e. g. decoration industries and the dental surgery. Advantages: - high concentrated, fine needle flame - high heating capacity
Standard accessories: - 1 pce. curved jet made of copper with stainless steel insert, 0,5 mm bore - 1 pce. curved jet made of copper with stainless steel insert, 0,8 mm bore
Jets acc. to cat. no. 126/20.1001
Technical data
Gas bore: 2 mm
Jet bore: 0,5 - 0,8 mm
Total length: 165 mm
Gland diameter gas: 3,5 mm
Gland diameter oxygen: 3,5 mm
Gas pre-pressure: 50 mbar
Oxygen pre-pressure: 0,5 - 1,5 bar
Max. gas flow: 0,05 m³/h
Max. oxygen flow: 0,17 m³/h
Capacity: 1,3 kW

Hand burners 126/20 ES

Item number: VB1-00130

Category: Hand burners

Premix for natural gas and oxygen. The burner is especially suitable for production and processing of smallest glass and quartz glass instruments, for fine soldering works, e. g. decoration industries and the dental surgery. Advantages: - high concentrated, fine needle flame - high heating capacity
Standard accessories: - 1 pce. curved jet made of copper with stainless steel insert, 0,5 mm bore - 1 pce. curved jet made of copper with stainless steel insert, 0,8 mm bore
Jets acc. to cat. no. 126/20.1001
Technical data
Gas bore: 2 mm
Jet bore: 0,5 - 0,8 mm
Total length: 165 mm
Gland diameter gas: 3,5 mm
Gland diameter oxygen: 3,5 mm
Gas pre-pressure: 22 mbar
Oxygen pre-pressure: 0,5 - 1,5 bar
Max. gas flow: 0,09 m³/h
Max. oxygen flow: 0,15 m³/h
Capacity: 0,8 kW

Hand burners 114/23 WS

Item number: VB1-00003

Category: Hand burners

surface mix for hydrogen and oxygen. Working method based on the underlying principle of our silent bench burners Zenit. However, burner head and control part are separated. Gas supply from control part to hand torch via flexible DW-proved hoses. (1600 mm) Control part with mounting angle for fixation at burner support. The execution for hydrogen and oxygen (WS) is most suitable for reworking quartz glass. Advantages: - silent principles of working - large field of application - stable, homogeneous flame formation, from needle flame to bushy flame, infinitely variable by means of a single twisting grip at the control part - burning control via ball valves - nearly maintenance-free, with low rate of wear - high efficiency because of intensive gas combustion - long durability because of using high-quality materials and components - solid burner head - made of scale-resisting stainless steel - problem-free, easy handling, especially when processing large, complicated workpieces
Technical data
Head diameter: 40 mm
Gas bore: 8

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mmTotal length: 470 mmMax. flame diameter: 40 mmGland diameter gas for hose of size: 9 mmGland diameter oxygen for hose of size: 6 mmConnecting thread gas: G 3/8 LHConnecting thread oxygen: G 1/4Gas pre-pressure: 500 mbaroxygen pre-pressure: 1,5 barMax. gas flow: 7,2 m³/hMax. oxygen flow: 4,0 m³/hCapacity: 21,5 kWTotal weight: 5,2 kgWeight burner head. 1,2 kg

Hand burners 114/22 ES.110

Item number: VB1-00925

Category: Hand burners

surface mix for natural gas and oxygen. Working method based on the underlying principle of our silent bench burners Zenit. However, burner head and control part are separated. Gas supply from control part to hand torch via flexible DW-proved hoses. (1600 mm)Control part with mounting angle for fixation at burner support. Ideal burner for reworking borosilicate glass. Advantages:- silent principles of workingflame to bushy flame, infinitely variable by means of a single twisting grip at the control part- burning control via ball valves - nearly maintenance-free, with low rate of wear- high efficiency because of intensive gas combustionburner head - made of scale- resisting stainless steel- problem-free, easy handling, especially when processing large, complicated workpiecesTechnical dataHead diameter: 40 mmGas bore: 8 mmTotal length: 470 mmMax. flame diameter: 40 mmGland diameter gas for hose of size: 9 mmGland diameter oxygen for hose of size: 6 mmConnecting thread gas: G 3/8 LHConnecting thread oxygen: G 1/4Gas pre-pressure: 22 mbarOxygen pre-pressure: 1,5 barMax. gas flow: 2,2 m³/hMax. oxygen flow: 4,4 m³/hCapacity: 22,0 kWTotal weight: 5,2 kgWeight burner head: 1,2 kgHOWEVER BURNERHEAD ANGLED BY 110 DEGREE

Hand burners 114/22 ES

Item number: VB1-00002

Category: Hand burners

surface mix for natural gas and oxygen. Working method based on the underlying principle of our silent bench burners Zenit. However, burner head and control part are separated. Gas supply from control part to hand torch via flexible DW-proved hoses. (1600 mm)Control part with mounting angle for fixation at burner support. Ideal burner for reworking borosilicate glass. Advantages:- silent principles of working- large field of application- stable, homogeneous flame formation, from needle flame to bushy flame, infinitely variable by means of a single twisting grip at the control part- burning control via ball valves - nearly maintenance-free, with low rate of wear- high efficiency because of intensive gas combustion- long durability because of using high-quality materials and components- solid burner head - made of scale-resisting stainless steel- problem-free, easy handling, especially when processing large, complicated workpiecesTechnical dataHead diameter: 40 mmGas bore: 8 mmTotal length: 470 mmMax. flame diameter: 40 mmGland diameter gas for hose of size: 9 mmGland diameter oxygen for hose of size: 6 mmConnecting thread gas: G 3/8 LHConnecting thread oxygen: G 1/4Gas pre-pressure: 22 mbarOxygen pre-pressure: 1,5 barMax. gas flow: 2,2 m³/hMax.

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oxygen flow: 4,4 m³/hCapacity: 22,0 kWTotal weight: 5,2 kgWeight burner head: 1,2 kg

Hand burners 126/22.1000 WS

Item number: VB1-00153

Category: Hand burners

incl. 3 pcs. single-hole jets acc. to cat. no. 180/41 (0,8 mm, 1,0 mm and 1,3 mm bore).

Hand burners 126/22 WS

Item number: VB1-00150

Category: Hand burners

Premix for hydrogen and oxygen. For obtaining very sharp, hot flames. Therefore especially suitable as sealing burner. Very exact flame adjustments are possible by means of fine adjustment valves for gas and oxygen. Construction: Very easy and handy execution. Body made of brass with one fine adjustable needle valve each for gas and oxygen. Upper part mounted replaceable by means of union nut is equipped with acceptance threads for the replaceable jets. Standard accessories: Single hole jets made from stainless steel acc. to cat. no. 180/41 (0,8, 1,0 and 1,3 mm bore) Technical data: Gas bore: 3 mm Jet bore: 0,8 - 1,0 - 1,3 mm Total length: 270 mm Gland diameter gas: 6 mm Gland diameter oxygen: 6 mm Gas pre-pressure: 200 - 500 mbar Oxygen pre-pressure: 0,5 - 1,5 bar Max. gas flow: 0,45 m³/h Max. oxygen flow: 0,19 m³/h Capacity: 1,35 kW

Hand burners 126/22 PS

Item number: VB1-00149

Category: Hand burners

Premix for propane and oxygen. For obtaining very sharp, hot flames. Therefore especially suitable as sealing burner. Very exact flame adjustments are possible by means of fine adjustment valves for gas and oxygen. Construction: Very easy and handy execution. Body made of brass with one fine adjustable needle valve each for gas and oxygen. Upper part mounted replaceable by means of union nut is equipped with acceptance threads for the replaceable jets. Standard accessories: Groove jets made from stainless steel acc. to cat. no. 180/40 (0,8, 1,0 and 1,3 mm bore) Technical data: Gas bore: 3 mm Jet bore: 0,8 - 1,0 - 1,3 mm Total length: 270 mm Gland diameter gas: 6 mm Gland diameter oxygen: 6 mm Gas pre-pressure: 50 mbar Oxygen pre-pressure: 0,5 - 1,5 bar Max. gas flow: 0,05 m³/h Max. oxygen flow: 0,17 m³/h Capacity: 1,3 kW

Hand burners 126/22 ES

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Item number: VB1-00148

Category: Hand burners

Premix for natural gas and oxygen, to achieve very sharp, hot flames, thus especially suitable as sealing burner. Very exact flame adjustments are possible by means of fine adjustment valves for gas and oxygen. Construction: Very easy and handy execution. Body made of brass with one fine adjustable needle valve each for gas and oxygen. Upper part mounted replaceable by means of union nut is equipped with acceptance threads for the replaceable jets. Standard accessories: Groove jets made from stainless steel acc. to cat. no. 180/40 (0,8, 1,0 and 1,3 mm bore) Technical data: Gas bore: 3 mm Jet bore: 0,8 - 1,0 - 1,3 mm Total length: 270 mm Gland diameter gas: 6 mm Gland diameter oxygen: 6 mm Gas pre-pressure: 22 mbar Oxygen pre-pressure: 0,5 - 1,5 bar Max. gas flow: 0,09 m³/h Max. oxygen flow: 0,15 m³/h Capacity: 0,8 kW

Hand burners 126/20.1006

Item number: VB1-00147

Category: Hand burners

for the acceptance of MINI-hand torch 126/20, consisting of heavy cast iron foot with ball joint and height adjustable stand with clamping piece.

Hand burners 126/20.1005

Item number: VB1-00684

Category: Hand burners

for hose-diameter 3,2 x 1,8 mm

Hand burners 114/21 PS

Item number: VB1-00001

Category: Hand burners

Surface mix for natural gas, oxygen and air. Noiseless bench burner for natural gas and oxygen, with special flame stabilising system that allows to operate the burner also with a surplus of air and therefore with cooler flame. The burner is mounted on a solid cast iron foot with ball joint. The optimal burner for processing borosilicate glass. Advantages: - noiseless working method - large field of application - stable, homogeneous flame aspect from sharp, concentrated pin-point flame to intensive flame, continuously adjustable by single twist grip - burner control via ball valves, maintenance free and resistant to wear - high efficiency through intensive combustion of the gases - long lasting by using high-quality materials and components - burner head solid made from non-scaling stainless steel - connection glass with thread Technical data Head diameter: 65 mm Tube diameter borosilicate glass more than 100 mm Gland diameter - gas for hose of size: 9 mm Connection thread gas: G 3/8 LH Gland diameter - oxygen for hose of size: 6 mm Connection

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thread oxygen: G 1/4 Gland diameter - air for hose of size: 9 mm Connection thread air: G 3/8
Largest flame diameter: approx. 70 mm Gas pre-pressure: 22 mbar Oxygen pre-pressure: 3,5 bar
Air pre-pressure: 0,5 - 1 bar Max. gas flow: 4,0 m³/h Max. oxygen flow: 8,0 m³/h Max. air flow: 4,0 m³/h
Capacity: 38,5 kW

Hand burners Q 141/5 WS

Item number: VB1-00793

Category: Hand burners

*** with quartz burner head acc. to cat. no. 141/18/60 *** Especially for the quartz glass machining industry, in surface mix execution for hydrogen and oxygen. Beside a soft, very intensive, homogenous flame especially the use of a quartz glass burner head is in the foreground. Because of that burner head the metallic burn-up is avoided. Basic body, supplying tubes and needle valves made from brass, nickel-plated, burner head protection made from stainless steel perforated plate. Technical data: Crimp screwing: Gas: 8 mm Oxygen: 8 mm Middle distance of the connections: 25 mm Gland diameter gas for hose: 9 mm Gland diameter oxygen for hose: 6 mm Gas pre-pressure: 1 - 1,5 bar Oxygen pre-pressure: 1,5 - 2 bar max. gas consumption: 2,6 cbm/h max. oxygen consumption: 1,25 cbm/h Capacity: 7,8 kW Length between burner and handle: approx. 240 mm

Hand burners 141/7 WS a

Item number: VB1-00085

Category: Hand burners

Surface mix for hydrogen and oxygen. High-capacity burner also suitable for applications on glassworking lathes. - Straight execution - Advantages: - silent working method - high heating capacity - homogenous flame aspect - large flame range and concentrated heating zone because of separately adjustable middle jet - burner head, burner plate and jets made of stainless steel - also suitable for quartz glass processing Technical data: Head outside diameter: 46 mm Jet ring diameter: 22 mm Number of jets: 19 Total length: 545 mm Burner tube diameter: 30 mm Gland diameter hydrogen for hose of size: 9 mm Gland diameter oxygen for hose of size: 6 mm Connecting thread hydrogen: G 3/8 LH Connecting thread oxygen: G 3/8 Hydrogen pre-pressure: 500 - 2000 mbar Oxygen pre-pressure: 1,5 - 4,0 bar Max. hydrogen flow: 9,5 m³/h Max. oxygen flow: 4,1 m³/h Capacity: 28,4 kW

Hand burners 145/6 PSL

Item number: VB1-00202

Category: Hand burners

(Ampoule sealing burner) Surface mix, two flames for propane, oxygen and air for alternatively

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connection to propane and air, propane and oxygen or propane, oxygen and air. The burners are equipped with a special flame stabilizing system so that they can be also operated with a large amount of air for cooling the flames. Advantages:- high flame stability - very sharp adjustable sealing flame via needle adjusting valve
Technical data: Gas bore: 3 mm Gland diameter gas for hose of size: 9 mm Gland diameter oxygen for hose of size: 6 mm Gland diameter air for hose of size: 9 mm Gas pre-pressure: 50 mbar Oxygen pre-pressure: 1 - 1,5 bar Air pre-pressure: 1 - 1,5 bar Max. gas flow: 0,12 m³/h Max. oxygen flow: 0,4 m³/h Max. air flow: 0,4 m³/h Capacity: 3,1 kW

Hand burners 145/6 ESL

Item number: VB1-00201

Category: Hand burners

(Ampoule sealing burner) Surface mix, two flames for natural gas, oxygen and air for alternatively connection to natural gas and air, natural gas and oxygen or natural gas, oxygen and air. The burners are equipped with a special flame stabilizing system so that they can be also operated with a large amount of air for cooling the flames. Advantages:- high flame stability - very sharp adjustable sealing flame via needle adjusting valve
Technical data: Gas bore: 3 mm Gland diameter gas for hose of size: 9 mm Gland diameter oxygen for hose of size: 6 mm Gland diameter air for hose of size: 9 mm Gas pre-pressure: 22 mbar Oxygen pre-pressure: 1 - 1,5 bar Air pre-pressure: 1 - 1,5 bar Max. gas flow: 0,4 m³/h Max. oxygen flow: 0,5 m³/h Max. air flow: 0,4 m³/h Capacity: 4,0 kW

Hand burners 141/3.1002 a-d

Item number: 141/3.1002 a-d

Category: Hand burners

- suitable for hand torch 141/3 ES/WS a - 141/6 ES/WS a - with round bores for natural gas/oxygen and hydrogen/oxygen - with middle jet - Material: stainless steel

Hand burners 141/3.1002 a

Item number: VB1-00882

Burner cap made of stainless steel, 18 mm Ø

Hand burners 141/3.1002 b

Item number: VB1-00883

Burner cap made of stainl. steel, 25 mm Ø

Hand burners 141/3.1002 c

Item number: VB1-00884

Burner cap made of stainl. steel, 35 mm Ø

Hand burners 141/3.1002 d

Item number: VB1-00885

Burner cap made of stainl. steel, 45 mm Ø

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Hand burner 141/3.1000 a-d

Item number: 141/3.1000 a-d

Category: Hand burners

Burner cap made of brass

Hand burners 141/3.1000 a

Item number: VB1-00410

Burner cap, 18 mm diameter

Hand burners 141/3.1000 b

Item number: VB1-00411

Burner cap, 25 mm diameter

Hand burners 141/3.1000 c

Item number: VB1-00412

Burner cap, 35 mm diameter

Hand burners 141/3.1000 d

Item number: VB1-00413

Burner cap, 45 mm diameter

Hand burner 141/3 PSL a-d 90.160 T-110.270 T

Item number: 141/3 PSL a-d 90.160 T-110.270 T

Category: Hand burners

Surface mix with multiple jet head, for propane, oxygen and air.

During operation with propane additional air is added in order to avoid a blinding white flame core. Burner tubes, valves and burner cap are made of brass, jets of stainless steel. Execution with connecting sockets.

Advantages:
- silent working method
- high heating capacity and concentrated heating zone because of separate controllable middle jet
- homogenous, variable flame aspect from sharp, concentrated pin-point flame up to large intensive flame

Hand burners 141/3 PSL a 110.160 T

Item number: VB1-00036

Hand torch

Hand burners 141/3 PSL a 110.270 T

Item number: VB1-00039

Hand torch

Hand burners 141/3 PSL a 90.160 T

Item number: VB1-00043

Hand burner

Hand burners 141/3 PSL a 90.270 T

Item number: VB1-00047

Hand burner

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Hand burners 141/3 PSL b 110.160 T

Item number: VB1-00081

Hand burner

Hand burners 141/3 PSL b 110.270 T

Item number: VB1-00040

Hand burner

Hand burners 141/3 PSL b 90.160 T

Item number: VB1-00044

Hand burner

Hand burners 141/3 PSL b 90.270 T

Item number: VB1-00048

Hand burner

Hand burners 141/3 PSL c 110.160 T

Item number: VB1-00037

Hand burner

Hand burners 141/3 PSL c 110.270 T

Item number: VB1-00041

Hand burner

Hand burners 141/3 PSL c 90.160 T

Item number: VB1-00045

Hand burner

Hand burners 141/3 PSL c 90.270 T

Item number: VB1-00082

Hand burner

Hand burners 141/3 PSL d 110.160 T

Item number: VB1-00038

Hand burner

Hand burners 141/3 PSL d 110.270 T

Item number: VB1-00042

Hand burner

Hand burners 141/3 PSL d 90.160 T

Item number: VB1-00046

Hand burner

Hand burners 141/3 PSL d 90.270 T

Item number: VB1-00049

Hand burner

Hand burners 141/8 ES a-c

Item number: 141/8 ES a-c

Category: Hand burners

Surface mix
for natural gas and oxygen.
High-capacity burner also suitable for applications on glassworking lathes.
- Burner head

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angled about 45° - **Advantages:** - silent working method - high heating capacity - homogenous flame aspect - large flame range and concentrated heating zone because of separately adjustable middle jet. - burner head, burner plate and jets made of stainless steel

Hand burners 141/8 ES a

Item number: VB1-00088

Frontal hand torch

Hand burners 141/8 ES b

Item number: VB1-00089

Frontal hand torch

Hand burners 141/8 ES c

Item number: VB1-00090

Frontal hand torch

Hand burners 141/8 PSL a-c

Item number: 141/8 PSL a-c

Category: Hand burners

Surface mix, for propane, oxygen and air. During operation with propane additional air is added in order to avoid a blinding white flame core. High-capacity burner also suitable for applications on glassworking lathes. Burner head angled about 45° - **Advantages:** - silent working method - high heating capacity - homogenous flame aspect - large flame range and concentrated heating zone because of separately adjustable middle jet. - burner head, burner plate and jets made of stainless steel

Hand burners 141/8 PSL a

Item number: VB1-00091

Frontal hand torch

Hand burners 141/8 PSL b

Item number: VB1-00092

Frontal hand torch

Hand burners 141/8 PSL c

Item number: VB1-00093

Frontal hand torch

Hand burners 141/8 WS a-c

Item number: 141/8 WS a-c

Category: Hand burners

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Surface mix for hydrogen and oxygen. High-capacity burner also suitable for applications on glassworking lathes. Burner head angled about 45° - Advantages: silent working method - high heating capacity - homogenous flame aspect - large flame range and concentrated heating zone because of separately adjustable middle jet - burner head, burner plate and jets made of stainless steel - also suitable for quartz glass processing

Hand burners 141/8 WS a

Item number: VB1-00094

Frontal hand torch

Hand burners 141/8 WS b

Item number: VB1-00095

Frontal hand torch

Hand burners 141/8 WS c

Item number: VB1-00096

Frontal hand torch

Hand burners 143 EL a-b

Item number: 143 EL a-b

Category: Hand burners

Premix for natural gas and air with three replaceable jets made of brass.

Hand burners 143 EL a

Item number: VB1-00187

Hand torch

Hand burners 143 EL b

Item number: VB1-00188

Hand burner

Hand burners 143 ESL a-b

Item number: 143 ESL a-b

Category: Hand burners

Premix for natural gas, oxygen and air with three replaceable jets made of brass.

Hand burners 143 ESL a

Item number: VB1-00189

Hand burner

Hand burners 143 ESL b

Item number: VB1-00190

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Hand burners

Hand burners 143 PL a-b

Item number: 143 PL a-b

Category: Hand burners

Premix for propane and air with three replaceable jets made of brass

Hand burners 143 PL a

Item number: VB1-00191

Hand burner

Hand burners 143 PL b

Item number: VB1-00192

Hand burner

Hand torch 143 PSL a-b

Item number: 143 PSL a-b

Category: Hand burners

Premix for propane, oxygen and air with three replaceable jets made of brass.

Hand burners 143 PSL a

Item number: VB1-00193

Hand torch

Hand burners 143 PSL b

Item number: VB1-00194

Hand torch

Hand burner 141/7 ES a-c

Item number: 141/7 ES a-c

Category: Hand burners

Frontal hand torch

Hand burners 141/7 ES a

Item number: VB1-00077

Frontal hand torch for natural gas and oxygen

Hand burners 141/7 ES b

Item number: VB1-00078

Frontal hand torch for natural gas and oxygen

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Hand burners 141/7 ES c

Item number: VB1-00079

Frontal hand torch natural gas and oxygen

Handbrenner 141/7 PSL a-c

Item number: 141/7 PSL a-c

Category: Hand burners

Frontal hand torch

Hand burners 141/7 PSL a

Item number: VB1-00080

Frontal hand torch for propane, oxygen and air.

Hand burners 141/7 PSL b

Item number: VB1-00083

Frontal hand torch for propane, oxygen and air

Hand burners 141/7 PSL c

Item number: VB1-00084

Frontal hand torch for propane, oxygen and air

Handbrenner 141/7 WS a-c

Item number: 141/7 WS a-c

Category: Hand burners

Stirnhandbrenner für Wasserstoff und Sauerstoff

Hand burners 141/7 WS a

Item number: VB1-00085

Frontal hand torch for hydrogen and oxygen

Hand burners 141/7 WS b

Item number: VB1-00086

Frontal hand torch for hydrogen and oxygen

Hand burners 141/7 WS c

Item number: VB1-00087

Frontal hand torch for hydrogen and oxygen

Hand burners 141/7 WS-WK a-e

Item number: 141/7 WS-WK a-e

Category: Hand burners

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Surface mix
Especially for the operation with hydrogen and oxygen.
Designed with a water-cooled burner head for the quartz glass processing. Also suitable for the application on glassworking lathes. Straight execution -
Advantages:
- silent working method
- high heating capacity
- homogenous flame aspect
- large flame range and concentrated heating zone because of separately adjustable middle jet
- burner head, burner plate and jets made of stainless steel

Hand burners 141/7 WS-WK a

Item number: VB1-00097

Frontal hand torch

Hand burners 141/7 WS-WK b

Item number: VB1-00098

Frontal hand torch

Hand burners 141/7 WS-WK c

Item number: VB1-00099

Frontal hand torch

Hand burners 141/7 WS-WK d

Item number: VB1-00100

Frontal hand torch

Hand burners 141/7 WS-WK e

Item number: VB1-00101

Frontal hand torch

Hand burners 126/20.1003 P+S+W

Item number: 126/20.1003 P+S+W

Category: Hand burners

with union nut suitable on thread connection of pressure reducer.

Hand burners 126/20.1003 P

Item number: VB1-00143

Connection olive

Hand burners 126/20.1003 S

Item number: VB1-00142

Connection olive

Hand burners 126/20.1003 W

Item number: VB1-00144

Connection olive

Handburner 126/20.1004 G+S

Item number: 126/20.1004 G+S

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Category: Hand burners

Reduction pieces

Hand burners 126/20.1004 G

Item number: VB1-00145

Reduction pieces

Hand burners 126/20.1004 S

Item number: VB1-00146

Reduction pieces

Hand burners 141/1 ESL a+b

Item number: 141/1 ESL a+b

Category: Hand burners

Surface mix - with inside mounted oxygen control valves

Hand burners 141 ESL a

Item number: VB1-00008

Hand burner for natural gas and oxygen as well as natural gas, air oxygen

Hand burners 141 ESL b

Item number: VB1-00009

Hand burner for natural gas and oxygen as well as natural gas, air and oxygen

Hand burners 141/1 PSL a+b

Item number: 141/1 PSL a+b

Category: Hand burners

Surface mix - with inside mounted oxygen control valves

Hand burners 141 PSL a

Item number: VB1-00010

Hand burner for propane and oxygen as well as propane, air and oxygen

Hand burners 141 PSL b

Item number: VB1-00011

Hand torch for propane and oxygen as well as propane, air and oxygen

Hand burners 126/22.1000 ES/PS/WS

Item number: 126/22.1000 ES/PS/WS

Category: Hand burners

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<div class="product_preview_pic"><link
typo3/nc/en/glass-quartz-glass/burners/hand-burners/productdetail/10716.html></link></div>
<div class="product_content_right left"><div class="product_desc">Standard upper
part</div></div>

Hand burners 126/22.1000 ES

Item number: VB1-00151

Standard upper part

Hand burners 126/22.1000 PS

Item number: VB1-00152

Standard upper part

Hand burners 126/22.1000 WS

Item number: VB1-00153

Standard Oberteil

Hand burners 126/22.1000 WS

Item number: VB1-00153

Standard upper part

Hand burners 126/20.1002 a-b

Item number: 126/20.1002 a-b

Category: Hand burners

with jewel insert for very fine needle flames, completely with union nut.

Hand burners 126/20.1002 a

Item number: VB1-00140

Stainless steel jet, bore 0,18 mm

Hand burners 126/20.1002 b

Item number: VB1-00141

Stainless steel jet, bore 0,3 mm

Hand burners 126/20.1000-1000.1

Item number: 126/20.1000-1000.1

Category: Hand burners

Distributor piece

Hand burners 126/20.1000

Item number: VB1-00132

Distributor piece

Hand burners 126/20.1000.1

Item number: VB1-00924

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Distributing piece

Hand burners 126/20.1001 a-g

Item number: 126/20.1001 a-g

Category: Hand burners

with stainless steel insert completely with union nut.

Hand burners 126/20.1001 a

Item number: VB1-00133

Copper jet, bore 0,3 mm

Hand burners 126/20.1001 b

Item number: VB1-00134

Copper jet, bore 0,4 mm

Hand burners 126/20.1001 c

Item number: VB1-00135

Copper jet, bore 0,5 mm

Hand burners 126/20.1001 d

Item number: VB1-00136

Copper jet, bore 0,6 mm

Hand burners 126/20.1001 e

Item number: VB1-00137

Copper jet, bore 0,8 mm

Hand burners 126/20.1001 f

Item number: VB1-00138

Copper jet, bore 1,0 mm

Hand burners 126/20.1001 g

Item number: VB1-00139

Copper jet, bore 1,2 mm

Hand burners 126/22.1001 ES/PS/WS

Item number: 126/22.1001 ES/PS/WS

Category: Hand burners

Distributor piece

Hand burners 126/22.1001 ES

Item number: VB1-00154

Distributor piece

Hand burners 126/22.1001 PS

Item number: VB1-00155

Distributor piece

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Hand burners 126/22.1001 WS

Item number: VB1-00156

Distributor piece

Hand burners 141/3 ES a-d 90.160 T - 110.270 T

Item number: 141/3 ES a-d 90.160 T - 110.270 T

Category: Hand burners

Hand burners

Hand burners 141/3 ES a 110.160 T

Item number: VB1-00020

Hand burner for natural gas and oxygen

Hand burners 141/3 ES a 110.270 T

Item number: VB1-00024

Hand burner with multiple jet head for natural gas and oxygen

Hand burners 141/3 ES a 90.160 T

Item number: VB1-00028

Hand burner for natural gas and oxygen

Hand burners 141/3 ES a 90.270 T

Item number: VB1-00032

Hand torch for natural gas and oxygen

Hand burners 141/3 ES b 110.160 T

Item number: VB1-00021

Hand burner for natural gas and oxygen

Hand burners 141/3 ES b 110.270 T

Item number: VB1-00025

Hand torch for natural gas and oxygen

Hand burners 141/3 ES b 90.160 T

Item number: VB1-00029

Hand burner for natural gas and oxygen

Hand burners 141/3 ES b 90.270 T

Item number: VB1-00033

Hand burner for natural gas and oxygen

Hand burners 141/3 ES c 110.160 T

Item number: VB1-00022

Hand burner for natural gas and oxygen

Hand burners 141/3 ES c 110.270 T

Item number: VB1-00026

Hand burner for natural gas and oxygen

Hand burners 141/3 ES c 90.160 T

Item number: VB1-00030

Hand torch for natural gas and oxygen

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Hand burners 141/3 ES c 90.270 T

Item number: VB1-00034

Hand burner for natural gas and oxygen

Hand burners 141/3 ES C 90.310 T

Item number: VB1-00836

Hand burner for natural gas and oxygen

Hand burners 141/3 ES C 90.660 T

Item number: VB1-00837

Hand burner for natural gas and oxygen

Hand burners 141/3 ES d 110.160 T

Item number: VB1-00023

Hand burner for natural gas and oxygen

Hand burners 141/3 ES d 110.270 T

Item number: VB1-00027

Hand burner for natural gas and oxygen

Hand burners 141/3 ES d 90.160 T

Item number: VB1-00031

Hand burner for natural gas and oxygen

Hand burners 141/3 ES d 90.270 T

Item number: VB1-00035

Hand burner for natural gas and oxygen

Hand burners 126/22.1002 ES/PS/WS

Item number: 126/22.1002 ES/PS/WS

Category: Hand burners

Distributor piece

Hand burners 126/22.1002 ES

Item number: VB1-00157

Distributor piece

Hand burners 126/22.1002 PS

Item number: VB1-00158

Distributor piece

Hand burners 126/22.1002 WS

Item number: VB1-00159

Distributor piece

Hand burners 141 ESL a+b

Item number: 141 ESL a+b

Category: Hand burners

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surface mix, proven standard execution

Hand burners 141 ESL a

Item number: VB1-00008

Hand burner for natural gas and oxygen as well as natural gas, air oxygen

Hand burners 141 ESL b

Item number: VB1-00009

Hand burner for natural gas and oxygen as well as natural gas, air and oxygen

Hand burners 141 PSL a+b

Item number: 141 PSL a+b

Category: Hand burners

Surface mix - with inside mounted oxygen control valves

Hand burners 141 PSL a

Item number: VB1-00010

Hand burner for propane and oxygen as well as propane, air and oxygen

Hand burners 141 PSL b

Item number: VB1-00011

Hand torch for propane and oxygen as well as propane, air and oxygen

Hand burners 141/003-AG 1/8 G-3/8 S

Item number: 141/003-AG 1/8 G-3/8 S

Category: Hand burners

Needle valve

Hand burners 141/003-AG 1/8 G

Item number: VB1-00585

Needle valve, Ø 3 mm

Hand burners 141/003-AG 1/8 S

Item number: VB1-00586

Needle valve, Ø 3 mm

Hand burners 141/006-AG 1/4 G

Item number: VB1-00520

Needle valve, Ø 6 mm

Hand burners 141/006-AG 1/4 G R/R

Item number: VB1-01019

Needle valve, Ø 6 mm

Hand burners 141/006-AG 1/4 S

Item number: VB1-00583

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Needle valve, Ø 6 mm

Hand burners 141/009-AG 3/8 G

Item number: VB1-00584

Needle valve, Ø 9 mm

Hand burners 141/009-AG 3/8 S

Item number: VB1-00551

Needle valve, Ø 9 mm

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Machine burners

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Machine burners 141/26/30-45

Item number: 141/26/30-45

Category: Machine burners

Burner head

Machine burners 141/26/30

Item number: VB1-00493

Burner head, 30 mm

Machine burners 141/26/35

Item number: VB1-00494

Burner head, diameter 35 mm

Machine burners 141/26/45

Item number: VB1-00824

Burner head, diameter 45 mm

Machine burners 141/30 PS a-f

Item number: 141/30 PS a-f

Category: Machine burners

Premix system for propane gas and oxygen
Burner with extremely high heating capacity and concentrated flame formation for heating of small glass zones. This burner type is especially suitable for pre-processing quartz glass. The burners from size c (with 10 jets) are additionally equipped with water-cooling.
Construction:
Burner body made of welded steel, groove jets made of stainless steel.
Mixing- and connecting piece with needle valves and screwed hose sockets. Complete with base plate.
Advantages:
concentrated, intensive heating capacity
 large field of application due to variable number of jets
 when operating with hydrogen/oxygen or propane gas/oxygen also well-suited for processing quartz glass

Machine burners 141/30 PS a

Item number: VB1-00980

Radial burner for propane gas, 6 jets

Machine burners 141/30 PS b

Item number: VB1-00981

Radial burner for propane gas, 8 jets

Machine burners 141/30 PS c WK

Item number: VB1-00982

Radial burner for propane gas, 10 jets

Machine burners 141/30 PS d WK

Item number: VB1-00983

Radial burner for propane gas, 12 jets

Machine burners 141/30 PS e WK

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Item number: VB1-00984

Radial burner for propane gas, 14 jets

Machine burners 141/30 PS f WK

Item number: VB1-00985

Radial burner for propane gas, 16 jets

Machine burners 180/41 a-i

Item number: 180/41 a-i

Category: Machine burners

made of stainless steel, premix for hydrogen and oxygen. Single-hole jet, hexagon execution, width across flats 7 mm. Stabilized flame. Connection outer thread M6.

Machine burners 180/41 a

Item number: VB1-00168

Burner jets, bore 0,5 mm

Machine burners 180/41 b

Item number: VB1-00169

Burner jets, bore 0,6 mm

Machine burners 180/41 c

Item number: VB1-00170

Burner jets, bore 0,7 mm

Machine burners 180/41 d

Item number: VB1-00171

Burner jets, premix, bore 0,8 mm

Machine burners 180/41 e

Item number: VB1-00172

Burner jets, premix, bore 0,9 mm

Machine burners 180/41 f

Item number: VB1-00173

Burner jets, premix, bore 1,0 mm

Machine burners 180/41 g

Item number: VB1-00174

Burner jets, premix, bore 1,1 mm

Machine burners 180/41 h

Item number: VB1-00175

Burner jets, premix, bore 1,2 mm

Machine burners 180/41 i

Item number: VB1-00176

Burner jets, premix, bore 1,5 mm



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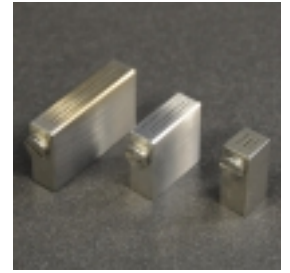


Machine burner 180/5 PS a-k

Item number: 180/5 PS a - k

Category: Machine burners

for propane gas and oxygen, in stainless steel execution, three rows of jets



Machine burners 180/5 PS a

Item number: VB1-00651

Box-type burner, burner length 14 mm

Machine burners 180/5 PS b

Item number: VB1-00653

Box-type burner, burner length 18 mm

Machine burners 180/5 PS c

Item number: VB1-00656

Box-type burner, burner length 22 mm

Machine burners 180/5 PS d

Item number: VB1-00659

Box-type burner, burner length 26 mm

Machine burners 180/5 PS e

Item number: VB1-00664

Box-type burner, burner length 30 mm

Machine burners 180/5 PS f

Item number: VB1-00667

Box-type burner, burner length 34 mm

Machine burners 180/5 PS g

Item number: VB1-00668

Box-type burner, burner length 38 mm

Machine burners 180/5 PS h

Item number: VB1-00669

Box-type burner, burner length 42 mm

Machine burners 180/5 PS i

Item number: VB1-00670

Box-type burner, burner length 46 mm

Machine burners 180/5 PS k

Item number: VB1-00671

Box-type burner, burner length 50 mm

Machine burner 180/40 a-h

Item number: 180/40 a-h

Category: Machine burners

made of stainless steel, premix for natural gas and oxygen resp. propane and oxygen. Groove jet, hexagon execution, width across flats 7 mm. Flame stabilized. Connection outer thread M6.



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Machine burners 180/40 a

Item number: VB1-00160

Burner jets, bore 0,5 mm

Machine burners 180/40 b

Item number: VB1-00161

Burner jets, bore 0,6 mm

Machine burners 180/40 c

Item number: VB1-00162

Burner jets, bore 0,7 mm

Machine burners 180/40 d

Item number: VB1-00163

Burner jets, bore 0,8 mm

Machine burners 180/40 e

Item number: VB1-00164

Burner jets, bore 0,9 mm

Machine burners 180/40 f

Item number: VB1-00165

Burner jets, bore 1,0 mm

Machine burners 180/40 g

Item number: VB1-00166

Burner jets, bore 1,1 mm

Machine burners 180/40 h

Item number: VB1-00167

Burner jets, bore 1,3 mm

Machine burners 141/045.002

Item number: VB1-01017

Category: Machine burners

for burner head cat.no. 141/045.10, 141/050.17 or 141/070.10 for central distribution battery via 3 pcs. flexible metal coating hose lines complete with appropriate screwed connections. Please note: In case of a probable retrofitting please state hose length for each burner head.

Machine burners 141/045.10

Item number: VB1-00937

Category: Machine burners

for processing quartz glass, in surface mix system for the operation with gas, especially hydrogen and oxygen. Burner head and burner jets made from heat-resistant, scale resisting special steel, welded under inert gas. Welded tube screwing for the connection of gas and oxygen lines. Heads inside and outside mordant. Technical data: - Burner head diameter 45 mm - Number of jets (in rectangular shape): 45 - tube screwing gas: 16 mm - tube screwing oxygen: 10 mm - tube

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screwing for middle jet: 10 mm

Machine burners 141/050.17

Item number: VB1-00814

Category: Machine burners

for processing quartz glass, surface mix, for the operation with gas, especially hydrogen and oxygen. Burner head and burner jets made of heat- and scale resistant special steel, welded under inert gas. Welded tube screwing for the connection of gas conduit and the both oxygen conduits. In- and outside of heads mordant. Middle jets of burner with separate connection to oxygen. Technical data- dia. of burner head: 51 mm- number of jets altogether: 61 in round shape- number of middle jets: 7- tube screwing for gas: 16 mm- tube screwing for oxygen: 10 mm- tube screwing for O₂ middle jet: 10 mm

Machine burners 141/070.10

Item number: VB1-00794

Category: Machine burners

for processing quartz glass, in separate gas system, for the operation with gas, especially hydrogen and oxygen. Burner head and burner jets made of heat-resistant, scale-resisting special steel, welded under inert gas. Welded tube screwing for the connection of gas- and oxygen lines. Heads mordant at the in- and outside. Middle jet of burner with separate connection to oxygen. Technical data dia. of burner head: 70 mm number of jets: 127 in rectangular shape number of middle jets: 7 tube screwing for gas: 16 mm tube screwing for oxygen: 10 mm tube screwing for middle jet: 10 mm

Machine burners 141/15.02 ES

Item number: VB1-00368

Category: Machine burners

Surface mix for connection of natural gas and oxygen. Burner head housing and burner jets made from stainless steel with two jet rows. Advantages:- noiseless working method- because of axial turn of the burner the width of the heating zone is variable- homogeneous flame aspect and high heating capacity Technical data: Number of burners: 2 Flame width: 70 mm Jet rows: 2 Head dimensions: 90 x 15 mm Gland diameter gas for hose of size: 9 mm Gland diameter oxygen for hose of size: 6 mm Connection thread gas: G 1/2 L Connection thread oxygen: G 1/4 Gas pre-pressure: 22 - 1000 mbar O₂ pre-pressure: 1,5 - 4,0 bar Max. gas flow: 4,0 m³/h Max. oxygen flow: 6,4 m³/h Capacity: 40,0 kW

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Machine burners 141/15.02 PSL

Item number: VB1-00370

Category: Machine burners

Surface mixer for connection of propane, oxygen and air, with an addition of air in order to avoid the white light core. Burner head housing and burner jets made from stainless steel with two jet rows. Advantages: - noiseless working method - because of axial turn of the burner the width of the heating zone is variable - homogeneous flame aspect and high heating capacity

Technical data: Number of burners: 2 Flame width: 70 mm Jet rows: 2 Head dimensions: 90 x 15 mm Gland diameter gas for hose of size: 9 mm Gland diameter oxygen for hose of size: 6 mm Gland diameter air for hose of size: 9 mm Connection thread gas: G 3/8 L Connection thread oxygen: G 1/4 Connection thread air: G 3/8 Gas pre-pressure: 50 - 1000 mbar O₂ pre-pressure: 1,5 - 4,0 bar Max. gas flow: 1,3 m³/h Max. oxygen flow: 4,9 m³/h Capacity: 33,8 kW

Machine burners 141/15.02 WS

Item number: VB1-00372

Category: Machine burners

Surface mixer for connection of hydrogen and oxygen. Burner head housing and burner jets made from stainless steel with two jet rows. Advantages: - noiseless working method - because of axial turn of the burner the width of the heating zone is variable - homogeneous flame aspect and high heating capacity - also suitable for quartz glass processing

Technical data: Number of burners: 2 Flame width: 70 mm Jet rows: 2 Head dimensions: 90 x 15 mm Gland diameter gas for hose of size: 9 mm Gland diameter oxygen for hose of size: 6 mm Connection thread gas: G 3/8 L Connection thread oxygen: G 1/4 Gas pre-pressure: 500 - 2000 mbar O₂ pre-pressure: 1,5 - 4,0 bar Max. gas flow: 17,0 m³/h Max. oxygen flow: 7,0 m³/h Capacity: 50,9 kW

Machine burners 141/15.04 ES

Item number: VB1-00369

Category: Machine burners

Surface mixer for connection of natural gas and oxygen. Burner head housing and burner jets made from stainless steel with two jet rows. Advantages: - noiseless working method - because of axial turn of the burner the width of the heating zone is variable - homogeneous flame aspect and high heating capacity

Technical data: Number of burners: 4 Flame width: 70 mm Jet rows: 2 Head dimensions: 90 x 15 mm Gland diameter gas for hose of size: 9 mm Gland diameter oxygen for hose of size: 6 mm Connection thread gas: G 1/4 Connection thread oxygen: G 1/4 Gas pre-pressure: 22 - 1000 mbar O₂ pre-pressure: 1,5 - 4,0 bar Max. gas flow: 8,0 m³/h Max. oxygen flow: 12,8 m³/h Capacity: 80,1 kW

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Machine burners 141/15.04 PSL

Item number: VB1-00371

Category: Machine burners

Surface mixer for connection of propane, oxygen and air, with an addition of air in order to avoid the white light core. Burner head housing and burner jets made from stainless steel with two jet rows. Advantages: - noiseless working method - because of axial turn of the burner the width of the heating zone is variable - homogeneous flame aspect and high heating capacity

Technical data: Number of burners: 4 Flame width: 70 mm Jet rows: 2 Head dimensions: 90 x 15 mm Gland diameter gas for hose of size: 9 mm Gland diameter oxygen for hose of size: 6 mm Gland diameter air for hose of size: 9 mm Connection thread gas: G 1/4 Connection thread oxygen: G 1/4 Connection thread air: G 3/8 Gas pre-pressure: 50 - 1000 mbar O₂ pre-pressure: 1,5 - 4,0 bar Max. gas flow: 2,6 m³/h Max. oxygen flow: 9,8 m³/h Capacity: 67,6 kW

Machine burners 141/15.04 WS

Item number: VB1-00373

Category: Machine burners

Surface mixer for connection of propane, oxygen and air, with an addition of air in order to avoid the white light core. Burner head housing and burner jets made from stainless steel with two jet rows. Advantages: - noiseless working method - because of axial turn of the burner the width of the heating zone is variable - homogeneous flame aspect and high heating capacity

Technical data: Number of burners: 4 Flame width: 70 mm Jet rows: 2 Head dimensions: 90 x 15 mm Gland diameter gas for hose of size: 9 mm Gland diameter oxygen for hose of size: 6 mm Gland diameter air for hose of size: 9 mm Connection thread gas: G 1/4 Connection thread oxygen: G 1/4 Connection thread air: G 3/8 Gas pre-pressure: 50 - 1000 mbar O₂ pre-pressure: 1,5 - 4,0 bar Max. gas flow: 2,6 m³/h Max. oxygen flow: 9,8 m³/h Capacity: 67,6 kW

Machine burners 141/16.06 ES

Item number: VB1-00939

Category: Machine burners

Surface-mixer for connection to natural gas and oxygen. Construction: Burner head and feeding tubes made of brass, nickel-plated. Jets made of stainless steel, connections with stop valve. Advantages: - low-noise working method - homogeneous flame formation and high heating capacity - suitable for processing quartz glass - burner heads tiltable and turnable, thus the heating zone is variable and distance to the workpiece could be optimized

Standard accessory: 1 pce. wrench for adjustment of burner head

Technical Data: number of burner heads: 6 head diameter: 35 mm for tube diameter: approx. - 200 mm diameter of jet ring: 20 mm gland-Ø

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gas for hose: 9 mm gland-Ø oxygen for hose: 6 mm connection thread gas: G 3/8
LH connection thread oxygen: G 1/4 gas-prepressure: 22 - 500
mbar oxygen-prepressure: 1,5 - 4 bar max. gas consumption: 6,6 m³/h max. oxygen
consumption: 11,7 m³/h capacity: 66,1 kW

Machine burners 141/16.06 PSL

Item number: VB1-00949

Category: Machine burners

surface-mix for connection to propane, oxygen and air. Construction: Burner head and feeding tubes made of brass, nickel-plated. Jets made of stainless steel, connections with needle valves. Advantages: - low-noise working method - homogeneous flame formation and high heating capacity - suitable for processing quartz glass - burner heads tiltable and turnable, thus the heating zone is variable and distance to the workpiece could be optimized. Standard accessory: 1 pce. wrench for adjustment of burner head. Technical Data: number of burner heads: 6 head diameter: 35 mm for tube diameter: approx. - 200 mm diameter of jet ring: 20 mm gland-Ø gas for hose: 9 mm gland-Ø oxygen for hose: 6 mm gland-Ø air for hose: 9 mm connection thread gas: G 3/8 LH connection thread oxygen: G 1/4 connection thread air: G 1/4 gas-prepressure: 50 - 500 mbar oxygen-prepressure: 1,5 - 4 bar air-prepressure: 0,5 - 1 bar max. gas consumption: 2,3 m³/h max. oxygen consumption: 8,2 m³/h max. air consumption: 5,7 m³/h capacity: 59,8 kW

Machine burners 141/16.10 WS

Item number: VB1-00705

Category: Machine burners

surface-mix for connection to hydrogen and oxygen. Construction: Burner head housing and feeding tubes made of brass, nickel-plated. Jets made of stainless steel. Connections with needle valves. Advantages: - low-noise working method - homogeneous flame formation and high heating capacity - suitable for processing quartz glass - burner heads tiltable and turnable, thus the heating zone is variable and distance to the workpiece could be optimized. Standard accessory: 1 pce. wrench for adjustment of burner head. Technical Data: number of burner heads: 10 head diameter: 35 mm for tube diameter: - 300 mm diameter of jet ring: 20 mm gland-Ø gas for hose: 9 mm gland-Ø oxygen for hose: 6 mm connection thread gas: G 3/8 LH connection thread oxygen: G 1/4 gas-prepressure: 500 - 1000 mbar oxygen-prepressure: 1,5 - 4 bar max. gas consumption: 41,4 m³/h max. oxygen consumption: 17,0 m³/h capacity: 123,9 kW

Machine burners 141/045

Item number: VB1-00390

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Category: Machine burners

for processing quartz glass, in surface mix system for the operation with gas, especially hydrogen and oxygen. Burner head and burner jets made from heat-resistant, scale resisting special steel, welded under inert gas. Welded tube screwing for the connection of gas and oxygen lines. Heads inside and outside mordant. Technical data:- Burner head diameter 45 mm- Number of jets (in rectangular shape): 45- tube screwing gas: 16 mm- tube screwing oxygen: 10 mm

Machine burners 140/29/4 PS

Item number: VB1-00337

Category: Machine burners

Premix for propane and oxygen with round burner head, diameter 15 mm, completely with mixing chamber with supply lines for gas and oxygen and needle regulating valves. Connections: Gas G 1/4 L - gland diameter for hose of Ø 9 mm Oxygen G 1/4 - gland diameter for hose of Ø 6 mm

Machine burners 140/29/4 ES

Item number: VB1-00336

Category: Machine burners

Premix for natural gas and oxygen with round burner head, diameter 15 mm, completely with mixing chamber with supply lines for gas and oxygen and needle regulating valves. Connections: Gas G 1/4 L - gland diameter for hose of Ø 9 mm Oxygen G 1/4 - gland diameter for hose of Ø 6 mm

Machine burners 141/30 PS c WK

Item number: VB1-00982

Category: Machine burners

Premix system for propane gas and oxygen Burner with extremely high heating capacity and concentrated flame formation for heating of small glass zones. This burner type is especially suitable for processing quartz glass. The burners from size c (with 10 jets) are additionally equipped with water-cooling. Construction: Burner body made of welded steel, groove jets made of stainless steel. Mixing- and connecting piece with needle valves and screwed hose sockets. Complete with base plate. Advantages:- concentrated, intensive heating capacity- large range of application due to variable number of jets- when operating with hydrogen/oxygen or propane gas/oxygen also well-suited for processing quartz glass Technical data: Number of jets: 10 for tube dia.: 80 - 110 mm jet bore: 1,5 mm gland dia. gas: 11 mm gland dia. O₂: 8 mm connection thread gas: R 1/2 L connection thread O₂: R 3/8 pre-pressure gas: 50 - 1000 mbar pre-pressure O₂: 1,5 - 4 bar max. gas flow rate: 1,7 m³/h max. O₂ flow rate: 5,9 m³/h capacity: 44,3 KW

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Machine burners 141/52

Item number: VB1-00553

Category: Machine burners

for radial burners no. 141/50 and SSQ 141/50. Transport of burners via threaded spindle, granting a smooth radial adjustment of each burner half against each other. Threaded spindle is self-locking.

Machine burners 148/10/100 ES WK

Item number: VB1-00456

Category: Machine burners

in surface mix execution for natural gas and oxygen made of stainless steel, water-cooled. Diameter of connecting tubes: 12 mm Connection thread gas: G 3/8 L Connection thread hydrogen: G 3/8 Connection thread water: G 1/4 Number of jet rows: 10 Flame length: 100 mm

Machine burners 148/10/100 PS WK

Item number: VB1-00457

Category: Machine burners

in surface mix execution for propane and oxygen made from stainless steel, water-cooled. Diameter of connecting tubes: 12 mm Connecting thread gas: G 3/8 L Connecting thread oxygen: G 3/8 Connecting thread water: G 1/4 Number of jet rows: 10 Flame length: 100 mm

Machine burners 141/220.010

Item number: VB1-00403

Category: Machine burners

provided for the acceptance of quartz burner heads acc. to our cat. no. 141/245, length approx. 340 mm with three flat jets. The burner heads are not included in the range of delivery! The burner is screwed in an aluminium frame for protection against mechanical damages. Additionally, the burner heads are covered with a protective covering. As counter-fire unit (in pairs) the burner can be used for machining quartz tubes up to a diameter of 200 mm. For the acceptance and the radial adjustment of the counter-fire unit we recommend our attachment of cat. no. 141/23 or 141/23.10.

Machine burners 141/23

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Item number: VB1-00541
Category: Machine burners

Acceptance rails individually moveable, complete with two acceptance rods with ball-and-socket joint, outer thread M10 x 1,300 mm long (our article no. 114/10), for the acceptance of bench burners, model zenit. Arrangement complete with 2 pcs. sliding block and 2 pcs screws, for mounting on the burner support.

Machine burners 141/23.10

Item number: VB1-00542
Category: Machine burners

Acceptance rails, via intermediate wheel and toothed racks, synchronous moveable against each other, completely with two ball acceptance links, outer thread M 10 x 1,300 mm long (our article-no. 114/10) for the acceptance of bench burners, model zenit. Device completely with 2 pcs. sliding blocks and 2 pcs. screws for mounting on the burner support.

Machine burners 141/26 ES

Item number: VB1-00718
Category: Machine burners

for radial burner no. 141/25, surface mix, for natural gas and oxygen. Burner head made from highly heat resistant stainless steel, 21 jets. Outside diameter: 30 mm Ø of supply tube gas: 8 mm Ø of supply tube oxygen: 6 mm

Machine burners 141/26 ES/H-0302-1

Item number: VB1-00947
Category: Machine burners

for radial burner no. 141/25, surface mix, for natural gas and oxygen. Burner head made of highly heat resistant stainless steel, 21 jets. Outside diameter: 30 mm Ø of supply tube gas: 8 mm Ø of supply tube oxygen: 6 mm

Machine burners 141/26 PS

Item number: VB1-00720
Category: Machine burners

for radial burner no. 141/25 - surface mix - for propane gas and oxygen. Burner head made of highly heat resistance stainless steel, 21 jets. Outside diameter: 30 mm Ø supply tube gas: 8

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mmØ supply tube O²: 6 mm

Machine burners 141/26 WS

Item number: VB1-00721

Category: Machine burners

for radial burner no. 141/25 - surface mix -for hydrogen and oxygen. Burner head made of highly heat resistant stainless steel, 21 jets. Outside diameter: 30 mmØ Supply tube gas: 8 mmØ Supply tube O²: 6 mm

Machine burners 135 PSL b-h

Item number: 135 PSL b-h

Category: Machine burners

Surface mix for propane, oxygen and air. For the connection to either gas and oxygen or gas and air with a slight addition of oxygen for flame stabilisation. burner tubes are radially arranged. Construction: Burner body made of brass, burner tubes and jets are made of stainless steel. Connection tubes are made of brass with needle regulating valves for gas and oxygen. With acceptance rod with a diameter of 10 mm. Gas connection with ball valve. Advantages: versatile field of application as a: Fire-polishing burner Sealing burner (glass - metal) each burner tube is separately adjustable resp. closed- fine adjustable flame range from pin-point to bushy flame

Machine burners 135 PSL b

Item number: VB1-00294

Special burner

Machine burners 135 PSL c

Item number: VB1-00295

Special burner

Machine burners 135 PSL d

Item number: VB1-00296

Special burner

Machine burners 135 PSL e

Item number: VB1-00297

Special burner

Machine burners 135 PSL f

Item number: VB1-00298

Special burner

Machine burners 135 PSL g

Item number: VB1-00299

Special burner

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Machine burners 135 PSL h

Item number: VB1-00300

Special burner

Machine burners 140/26 PS

Item number: VB1-00332

Category: Machine burners

Surface mix for propane and oxygen with round burner head, diameter 18 mm. Burner head housing and burner jets made from stainless steel. Regulating valve made from brass. Advantages: - noiseless, homogenous flame aspect - high, steady heating capacity - without backfire - very suitable for applications on forming machines. Technical data: Head diameter: 18 mm Jet surface: 10 x 10 mm Numer of jets: 9 Total length: 270 mm Gland diameter gas for hose of size: 9 mm Gland diameter oxygen for hose of size: 6 mm Connection thread gas: G 3/8 L Connection thread oxygen: G 1/4 Gas pre-pressure: 50 - 1000 mbar Oxygen pre-pressure: 1,5 - 3,0 bar Max. gas flow: 0,2 m³/h Max. oxygen flow: 0,8 m³/h Capacity: 5,2 kW

Machine burners 140/26 WS

Item number: VB1-00333

Category: Machine burners

Surface mix for hydrogen and oxygen with round burner head, diameter 18 mm. Burner head housing and burner jets made from stainless steel. Regulating valve made from brass. Advantages: - noiseless, homogenous flame aspect - high, steady heating capacity - without backfire - very suitable for applications on forming machines - suitable for quartz glass processing. Technical data: Head diameter: 18 mm Jet surface: 10 x 10 mm Numer of jets: 9 Total length: 270 mm Gland diameter gas for hose of size: 9 mm Gland diameter oxygen for hose of size: 6 mm Connection thread gas: G 3/8 L Connection thread oxygen: G 1/4 Gas pre-pressure: 500 - 2000 mbar Oxygen pre-pressure: 1,5 - 3,0 bar Max. gas flow: 2,5 m³/h Max. oxygen flow: 1,0 m³/h Capacity: 7,4 kW

Machine burners 140/29 ESL h

Item number: VB1-00345

Category: Machine burners

Premix for natural gas, oxygen and air. Drilled in four rows, for gas and oxygen or gas, oxygen and air. Burner with acceptance thread M20x1 inside, for replaceable acceptance on mixing chamber with media connections of cat. no. 140/29/2 or 140/29/3. Advantages: - very homogenous flame aspect and high heating capacity - steady, zone free temperature distribution

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over complete flame width- noiseless working method- burner base solid stainless steel body, that guarantees a long life. Because of these advantages the burners are especially suitable for applications on glass forming machines. Technical data: Flame width: 55 mm Jet bore: 0,8 mm Head dimensions: Length: 66 mm Width: 40 mm Height: 20 mm Gas pre-pressure: 22 - 500 mbar Oxygen pre-pressure: 2 - 3 bar Air pre-pressure: 0,5 - 1 bar max. gas flow: 2,3 m³/h max. oxygen flow: 1,75 m³/h max. air flow: 0,5 m³/h Capacity: 22,1 kW

Machine burners 140/29 ESL m

Item number: VB1-00349

Category: Machine burners

Premix for natural gas, oxygen and air. Drilled in four rows, for gas and oxygen or gas, oxygen and air. Burner with acceptance thread M20x1 inside, for replaceable acceptance on mixing chamber with media connections of cat. no. 140/29/2 or 140/29/3. Advantages: - very homogenous flame aspect and high heating capacity - steady, zone free temperature distribution over complete flame width - noiseless working method - burner base solid stainless steel body, that guarantees a long life. Because of these advantages the burners are especially suitable for applications on glass forming machines. Technical data: Flame width: 85 mm Jet bore: 0,8 mm Head dimensions: Length: 96 mm Width: 40 mm Height: 20 mm Gas pre-pressure: 22 - 500 mbar Oxygen pre-pressure: 2 - 3 bar Air pre-pressure: 0,5 - 1 bar max. gas flow: 3,2 m³/h max. oxygen flow: 2,4 m³/h max. air flow: 0,7 m³/h Capacity: 30,8 kW

Machine burners 140/26 ES

Item number: VB1-00331

Category: Machine burners

Surface mix for natural gas and oxygen with round burner head, diameter 18 mm. Burner head housing and burner jets made from stainless steel. Regulating valve made from brass. Advantages: - noiseless, homogenous flame aspect - high, steady heating capacity - without backfire - very suitable for applications on forming machines. Technical data: Head diameter: 18 mm Jet surface: 10 x 10 mm Numer of jets: 9 Total length: 270 mm Gland diameter gas for hose of size: 9 mm Gland diameter oxygen for hose of size: 6 mm Connection thread gas: G 3/8 L Connection thread oxygen: G 1/4 Gas pre-pressure: 22 - 1000 mbar Oxygen pre-pressure: 1,5 - 3,0 bar Max. gas flow: 0,6 m³/h Max. oxygen flow: 1,1 m³/h Capacity: 6,0 kW

Machine burners 140/25/5 WS

Item number: VB1-01004

Category: Machine burners

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surface mix for hydrogen and oxygen with rectangular burner heads with five rows of jets. Housing of burner heads and burner jets made of stainless steel. Head dimensions: 70 x 30 mm Jet area: 50 x 17 mm Number of jets: 63

Machine burners 138/3 ESL

Item number: VB1-00391

Category: Machine burners

for natural-gas, oxygen and air with three needle valves, back-fire proof- 3 connections -

Machine burners 138/3 PSL

Item number: VB1-00895

Category: Machine burners

for propane-gas, oxygen and air with three needle valves, back-fire proof- 3 connections -

Machine burners 138/3 WSL

Item number: VB1-00896

Category: Machine burners

Machine burners 140/25/5 ES

Item number: VB1-01002

Category: Machine burners

for natural gas and oxygen, surface mix, with rectangular burner heads with five rows of jets. Housing of burner heads and burner jets made of stainless steel. Head dimensions: 70 x 30 mm Jet area: 50 x 17 mm Number of jets: 63

Machine burners 140/25/5 PS

Item number: VB1-01003

Category: Machine burners

for propane gas and oxygen, surface mix, with rectangular burner heads with five rows of jets. Housing of burner heads and burner jets made of stainless steel. Head dimensions: 70 x 30 mm Jet area: 50 x 17 mm Number of jets: 63

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Machine burners 180/6 ESL f

Item number: VB1-00617

Category: Machine burners

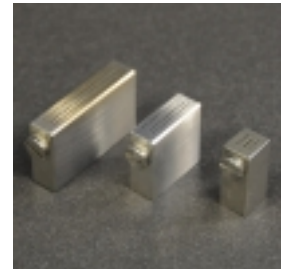
premix system- one row of jets -for natural gas, oxygen and airbrass execution, with inserted burner plate made of brassConnection: 1/8 inner thread

Machine burners 180/5 ES a-k

Item number: 180/5 ES a-k

Category: Machine burners

for natural gas and oxygen, in stainless steel execution,
- three rows of jets
- connection: 1/8 inner thread



Machine burners 180/5 ES a

Item number: VB1-00622

Box-type burner, burner length: 14 mm

Machine burners 180/5 ES b

Item number: VB1-00623

Box-type burner, burner length: 18 mm

Machine burners 180/5 ES c

Item number: VB1-00625

Box-type burner, burner length 22 mm

Machine burners 180/5 ES d

Item number: VB1-00627

Box-type burner, burner length 26 mm

Machine burners 180/5 ES e

Item number: VB1-00631

Box-type burner, burner length 30 mm

Machine burners 180/5 ES f

Item number: VB1-00637

Box-type burner, burner length 34 mm

Machine burners 180/5 ES g

Item number: VB1-00638

Box-type burner, burner length 38 mm

Machine burners 180/5 ES h

Item number: VB1-00640

Box-type burner, burner length 42 mm

Machine burners 180/5 ES i

Item number: VB1-00643

Box-type burner, burner length 46 mm

Machine burners 180/5 ES k

Item number: VB1-00646

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Box-type burner, burner length 46 mm

Machine burners SS 138/3

Item number: VB1-00790

Category: Machine burners

in single and special execution, made from stainless steel for gas, oxygen and air- 3 connections -

Machine burners 150 PSL c-l

Item number: 150 PSL c-l

Category: Machine burners

Premix for propane gas, oxygen and air
Steel tube, 3 rows of jets with integrated mixing chamber, with hose gland connections and needle valves for gas and air resp. gas and air with a slight addition of oxygen. Flame stability during operation with natural gas or propane gas is guaranteed by additional stabilizing bores. Flame range can be adjusted individually by an integrated limiting slide. Burner completely supplied with 2 cast iron feet.



Machine burners 150 PSL c

Item number: VB1-00497

Mixed Gas Tube Burner, length 400 mm

Machine burners 150 PSL e

Item number: VB1-00499

Mixed Gas Tube Burner, length 600 mm

Machine burners 150 PSL g

Item number: VB1-00501

Mixed Gas Tube Burner, length 800 mm

Machine burners 150 PSL i

Item number: VB1-00503

Mixed Gas Tube Burner, length 1000 mm

Machine burners 150 PSL k

Item number: VB1-00504

Mixed Gas Tube Burner, length 1200 mm

Machine burners 150 PSL l

Item number: VB1-00505

Mixed Gas Tube Burner, length 1500 mm

Machine burner 141/30 ES a-f (WK)

Item number: 141/30 ES a-f (WK)

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Category: Machine burners

Radial burner with extremely high heating capacity and concentrated flame formation for heating of small glass zones. This burner type is especially suitable for pre-processing quartz glass. The burners from size c (with 10 jets) are additionally equipped with water-cooling. Construction: Burner body made of welded steel, groove jets made of stainless steel. Mixing- and connecting piece with needle valves and screwed hose sockets. Complete with base plate.

Advantages: concentrated, intensive heating capacity - large range of application due to variable number of jets - when operating with hydrogen/oxygen or propane gas/oxygen also well suited for processing quartz glass

Machine burners 141/30 ES a

Item number: VB1-00975

Radial burner for natural gas, 6 jets

Machine burners 141/30 ES b

Item number: VB1-00976

Radial burner for natural gas, 8 jets

Machine burners 141/30 ES c WK

Item number: VB1-00612

Radial burner for natural gas, 10 jets

Machine burners 141/30 ES d

Item number: VB2-00066

Machine burners 141/30 ES d WK

Item number: VB1-00977

Radial burner for natural gas, 12 jets

Machine burners 141/30 ES e WK

Item number: VB1-00978

Radial burner for natural gas, 14 jets

Machine burners 141/30 ES f WK

Item number: VB1-00979

Radial burner for natural gas, 16 jets

Machine burner 141/30 WS a-f (WK)

Item number: 141/30 WS a-f (WK)

Category: Machine burners

Radial burner with extremely high heating capacity and concentrated flame formation for heating of small glass zones. This burner type is especially suitable for pre-processing quartz glass. The burners from size c (with 10 jets) are additionally equipped with water-cooling. Construction: Burner body made of welded steel, single hole jets made of stainless steel. Mixing- and connecting piece with needle valves and screwed hose sockets.

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Complete with base plate.
Advantages: - concentrated, intensive heating capacity
- large range of application due to variable number of jets
- when operating with hydrogen/oxygen or propane gas/oxygen also well suited for processing quartz glass.

Machine burners 141/30 WS a

Item number: VB1-00986

Radial burner for hydrogen, 6 jets

Machine burners 141/30 WS b

Item number: VB1-00987

Radial burner for hydrogen, 8 jets

Machine burners 141/30 WS c WK

Item number: VB1-00795

Radial burner for hydrogen, 10 jets

Machine burners 141/30 WS d WK

Item number: VB1-00988

Radial burner for hydrogen, 12 jets

Machine burners 141/30 WS e WK

Item number: VB1-00989

Radial burner for hydrogen, 14 jets

Machine burners 141/30 WS f WK

Item number: VB1-00990

Radial burner for hydrogen, 16 jets

Maschinenbrenner 150 ESL c-l

Item number: 150 ESL c-l

Category: Machine burners

Premix for natural gas, oxygen and air
Steel tube, 3 rows of jets with integrated mixing chamber, with hoseglad connections and needle valves for gas and air resp. gas and air with a slight addition of oxygen. Flame stability during operation with natural gas or propane gas is guaranteed by additional stabilizingbores. Flame range could be individually adjusted by an integrated limiting slide. Burner completely supplied with 2 cast iron feet.



Machine burners 150 ESL c

Item number: VB1-00477

Mixed Gas Tube Burner, length 400 mm

Machine burners 150 ESL e

Item number: VB1-00480

Mixed Gas Tube Burner, length 600 mm

Machine burners 150 ESL g

Item number: VB1-00488

Mixed Gas Tube Burner, length 800 mm

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Machine burners 150 ESL i

Item number: VB1-00490

Mixed Gas Tube Burner, length 1000 mm

Machine burners 150 ESL k

Item number: VB1-00491

Mixed Gas Tube Burner, length 1200 mm

Machine burners 150 ESL l

Item number: VB1-00492

Mixed Gas Tube Burner, length 1500 mm

Machine burners 140/29/2-3.1

Item number: 140/29/2-3.1

Category: Machine burners

Mixing chamber
Picture shows 140/29/3

Machine burners 140/29/2

Item number: VB1-00334

Mixing chamber

Machine burners 140/29/3

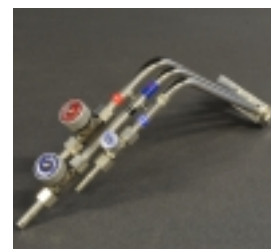
Item number: VB1-00335

Mixing chamber

Machine burners 140/29/3.1

Item number: VB1-00826

Mixing chamber



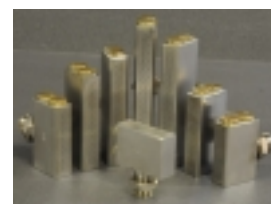
Machine burners 140/29 PSL a-p

Item number: 140/29 PSL a-p

Category: Machine burners

Premix for propane, oxygen and air
Drilled in four rows, for gas and oxygen or gas, oxygen and air. Burner with acceptance thread M20 x 1 inside, for replaceable acceptance on mixing chamber with media connections of cat. no. 140/29/2 or 140/29/3.

Advantages:
- very homogenous flame aspect and high heating capacity
- steady, zone free temperature distribution over complete flame width
- noiseless working method
- burner base solid stainless steel body, which guarantees a long life.
Because of these advantages the burners are especially suitable for applications on glass forming machines.



Machine burners 140/29 PSL a

Item number: VB1-00353

Burner heads, 20 mm flame width

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Machine burners 140/29 PSL b

Item number: VB1-00354

Burner heads, 25 mm flame width

Machine burners 140/29 PSL c

Item number: VB1-00355

Burner heads, 30 mm flame width

Machine burners 140/29 PSL d

Item number: VB1-00356

Burner heads, 35 mm flame width

Machine burners 140/29 PSL e

Item number: VB1-00357

Burner heads, 40 mm flame width

Machine burners 140/29 PSL f

Item number: VB1-00358

Burner heads, 45 mm flame width

Machine burners 140/29 PSL g

Item number: VB1-00359

Burner heads, 50 mm flame width

Machine burners 140/29 PSL h

Item number: VB1-00360

Burner heads, 55 mm flame width

Machine burners 140/29 PSL i

Item number: VB1-00361

Burner heads, 60 mm flame width

Machine burners 140/29 PSL k

Item number: VB1-00362

Burner heads, 65 mm flame width

Machine burners 140/29 PSL l

Item number: VB1-00363

Burner heads, 70 mm flame width

Machine burners 140/29 PSL m

Item number: VB1-00364

Burner heads, 85 mm flame width

Machine burners 140/29 PSL n

Item number: VB1-00365

Burner heads, 100 mm flame width

Machine burners 140/29 PSL o

Item number: VB1-00366

Burner heads, 115 mm flame width

Machine burners 140/29 PSL p

Item number: VB1-00367

Burner heads, 130 mm flame width

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Machine burners 141/21 WS a-c

Item number: 141/21 WS a-c

Category: Machine burners

Surface mix for hydrogen consisting of two noiseless burners of type ZENIT. Each burner has an internal thread M 10 x 1 for the acceptance of stand rods with ball joint. Outer thread M 10 x 1 (not included at delivery):

The burner operated from the rear side is equipped with a separated control unit. Gas supply from the control unit to the burner by means of metal coated hoses, control unit with mounting angle for fixing the burner to the burner support. The ideal burner device for flexible basic equipment for glass working lathes.



Machine burners 141/21 WS a

Item number: VB1-01014

Counter-fire unit

Machine burners 141/21 WS b

Item number: VB1-01015

Counter-fire unit

Machine burners 141/21 WS c

Item number: VB1-01016

Counter-fire unit

Machine burners 141/21 PSL a-b

Item number: 141/21 PSL a-b

Category: Machine burners

Surface mix for propane gas, oxygen and air, consisting of two noiseless burners of type ZENIT. Each burner has an internal thread M 10 x 1 for the acceptance of stand rods with ball joint. Outer thread M 10 x 1 (not included at delivery). The burner operated from the rear side is equipped with a separated control unit. Gas supply from the control unit to the burner by means of metal coated hoses, control unit with mounting angle for fixing the burner to the burner support. The ideal burner device as a flexible basic equipment for glassworking lathes.



Machine burners 141/21 PSL a

Item number: VB1-00848

Counter-fire unit

Machine burners 141/21 PSL b

Item number: VB1-00892

Counter-fire unit

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Maschinenbrenner 141/21 ESL a-b

Item number: 141/21 ESL a-b

Category: Machine burners

Surface mix for propane gas consisting of two noiseless burners of type ZENIT. Each burner has an internal thread M 10 x 1 for the acceptance of stand rods with ball joint. Outer thread M 10 x 1 (not included at delivery). The burner operated from the rear side is equipped with a separated control unit. Gas supply from the control unit to the burner by means of metal coated hoses, control unit with mounting angle for fixing the burner to the burner support. The ideal burner device for flexible basic equipment for glassworking lathes.



Machine burners 141/21 ESL a

Item number: VB1-00893

Counter-fire unit

Machine burners 141/21 ESL b

Item number: VB1-00894

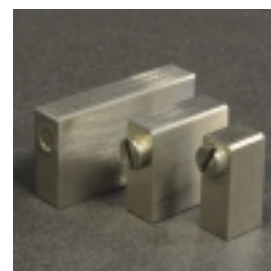
Counter-fire unit

Machine burners 180/4 PS a-k

Item number: 180/4 PS a-k

Category: Machine burners

for propane and oxygen in stainless steel execution - two rows of jets - Connection: 1/8 inner thread



Machine burners 180/4 PS a

Item number: VB1-00428

Box-type burner, burner length 14 mm

Machine burners 180/4 PS b

Item number: VB1-00429

Box-type burner, burner length 18 mm

Machine burners 180/4 PS c

Item number: VB1-00430

Box-type burner, burner length 22 mm

Machine burners 180/4 PS d

Item number: VB1-00431

Box-type burner, burner length 26 mm

Machine burners 180/4 PS e

Item number: VB1-00432

Box-type burner, burner length 30 mm

Machine burners 180/4 PS f

Item number: VB1-00433

Box-type burner, burner length 34 mm

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Machine burners 180/4 PS g

Item number: VB1-00434

Box-type burner, burner length 38 mm

Machine burners 180/4 PS h

Item number: VB1-00435

Box-type burner, burner length 42 mm

Machine burners 180/4 PS i

Item number: VB1-00436

Box-type burner, burner length 46 mm

Machine burners 180/4 PS k

Item number: VB1-00437

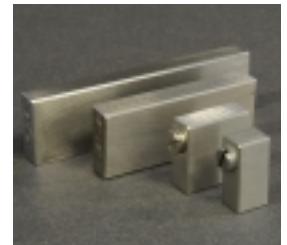
Box-type burner, burner length 50 mm

Machine burner 180/3 ES a-k

Item number: 180/3 ES a-k

Category: Machine burners

for natural gas and oxygen in stainless steel execution - one row of jets - connection:
1/8 inner thread



Machine burners 180/3 ES a

Item number: VB1-00588

Box-type burner, burner length 14 mm

Machine burners 180/3 ES b

Item number: VB1-00589

Box-type burner, burner length: 18 mm

Machine burners 180/3 ES c

Item number: VB1-00590

Box-type burner, burner length: 22 mm

Machine burners 180/3 ES d

Item number: VB1-00591

Box-type burner, burner length: 26 mm

Machine burners 180/3 ES e

Item number: VB1-00592

Box-type burner, burner length: 30 mm

Machine burners 180/3 ES f

Item number: VB1-00593

Box-type burner, burner length: 34 mm

Machine burners 180/3 ES g

Item number: VB1-00594

Box-type burner, burner length: 38 mm

Machine burners 180/3 ES h

Item number: VB1-00595

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Box-type burner, burner length: 42 mm

Machine burners 180/3 ES i

Item number: VB1-00596

Box-type burner, burner length: 46 mm

Machine burners 180/3 ES k

Item number: VB1-00597

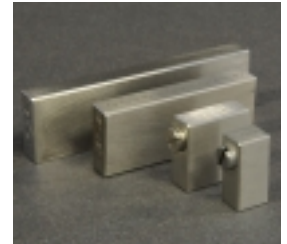
Box-type burner, burner length: 50 mm

Machine burner 180/3 PS a-k

Item number: 180/3 PS a-k

Category: Machine burners

for propane gas and oxygen in stainless steel execution
- one row of jets -
connection:
1/8 inner thread



Machine burners 180/3 PS a

Item number: VB1-00599

Box-type burner, burner length: 14 mm

Machine burners 180/3 PS b

Item number: VB1-00600

Box-type burner, burner length: 18 mm

Machine burners 180/3 PS c

Item number: VB1-00601

Box-type burner, burner length: 22 mm

Machine burners 180/3 PS d

Item number: VB1-00602

Box-type burner, burner length: 26 mm

Machine burners 180/3 PS e

Item number: VB1-00603

Box-type burner, burner length: 30 mm

Machine burners 180/3 PS f

Item number: VB1-00604

Box-type burner, burner length: 34 mm

Machine burners 180/3 PS g

Item number: VB1-00606

Box-type burner, burner length: 38 mm

Machine burners 180/3 PS h

Item number: VB1-00607

Box-type burner, burner length: 42 mm

Machine burners 180/3 PS i

Item number: VB1-00609

Box-type burner, burner length: 46 mm

Machine burners 180/3 PS k

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Item number: VB1-00610

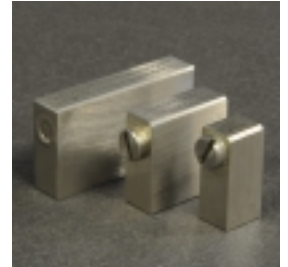
Box-type burner, burner length: 50 mm

Machine burner 180/4 ES a-k

Item number: 180/4 ES a-k

Category: Machine burners

for natural gas and oxygen in stainless steel execution - two rows of jets - Connection: 1/8 inner thread



Machine burners 180/4 ES a

Item number: VB1-00392

Box-type burner, burner length 14 mm

Machine burners 180/4 ES b

Item number: VB1-00393

Box-type burner, burner length 18 mm

Machine burners 180/4 ES c

Item number: VB1-00394

Box-type burner, burner length 22 mm

Machine burners 180/4 ES d

Item number: VB1-00395

Box-type burner, burner length 26 mm

Machine burners 180/4 ES e

Item number: VB1-00396

Box-type burner, burner length 30 mm

Machine burners 180/4 ES f

Item number: VB1-00397

Box-type burner, burner length 34 mm

Machine burners 180/4 ES g

Item number: VB1-00398

Box-type burner, burner length 38 mm

Machine burners 180/4 ES h

Item number: VB1-00399

Box-type burner, burner length 42 mm

Machine burners 180/4 ES i

Item number: VB1-00400

Box-type burner, burner length 46 mm

Machine burners 180/4 ES k

Item number: VB1-00401

Box-type burner, burner length 50 mm

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Machine burner 180/35 a-d

Item number: 180/35 a-d

Category: Machine burners

for natural gas and oxygen or propane gas and oxygen. Made of stainless steel, hexagonal execution. Width across flats 12 mm, flame specially stabilized. Connection: 1/8 outer thread.



Machine burners 180/35 a

Item number: VB1-00547

Burner jet, premix, jet bore 0,9 mm

Machine burners 180/35 aa

Item number: VB1-00935

Burner jet, premix, jet bore 0,7 mm

Machine burners 180/35 b

Item number: VB1-00548

Burner jet, premix, jet bore 1,1 mm

Machine burners 180/35 c

Item number: VB1-00549

Burner jet, premix, jet bore 1,3 mm

Machine burners 180/35 d

Item number: VB1-00550

Burner jet, premix, jet bore 1,5 mm

Machine burner 135 ESL b-h

Item number: VB1-00293

Category: Machine burners

Surface mix for natural gas, oxygen and air. For the connection to either gas and oxygen or gas and air with a slight addition of oxygen for flame stabilisation. burner tubes are radially arranged - Construction: Burner body made of brass, burner tubes and jets are made of stainless steel. Connection tubes are made of brass with needle-regulating valves for gas and oxygen. With acceptance rod with a diameter of 10 mm. Advantages: versatile field of application as: Fire-polishing burner Sealing burner (glass - metal) - each burner tube is separately adjustable resp. closed - fine adjustable flame range from pin-point to bushy flame



Machine burners 135 ESL b

Item number: VB1-00287

Special burner

Machine burners 135 ESL c

Item number: VB1-00288

Special burner

Machine burners 135 ESL d

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Item number: VB1-00289

Special burner

Machine burners 135 ESL e

Item number: VB1-00290

Special burner

Machine burners 135 ESL f

Item number: VB1-00291

Special burner

Machine burners 135 ESL g

Item number: VB1-00292

Special burner

Machine burners 135 ESL h

Item number: VB1-00293

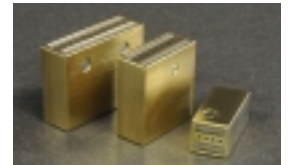
Special burner

Machine burner 180/6 ESL a-k

Item number: 180/6 ESL a-k

Category: Machine burners

Premix system - one row of jets - for natural gas, oxygen and airbrass execution, with inserted burner plate made of brass. Connection: 1/8 inner thread



Machine burners 180/6 ESL a

Item number: VB1-00613

Box-type burner, burner length 14 mm

Machine burners 180/6 ESL b

Item number: VB1-00614

Box-type burner, burner length 18 mm

Machine burners 180/6 ESL c

Item number: VB1-00615

Box-type burner, burner length 22 mm

Machine burners 180/6 ESL d

Item number: VB1-00616

Box-type burner, burner length 26 mm

Machine burners 180/6 ESL e

Item number: VB1-00460

Box-type burner, burner length 30 mm

Machine burners 180/6 ESL f

Item number: VB1-00617

Box-type burner, burner length 34 mm

Machine burners 180/6 ESL g

Item number: VB1-00618

Box-type burner, burner length 38 mm

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Machine burners 180/6 ESL h

Item number: VB1-00619

Box-type burner, burner length 42 mm

Machine burners 180/6 ESL i

Item number: VB1-00620

Box-type burner, burner length 46 mm

Machine burners 180/6 ESL k

Item number: VB1-00621

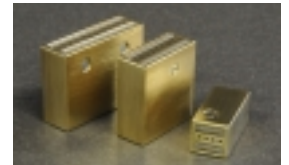
Box-type burner, burner length 50 mm

Machine burner 180/6 PSL a-k

Item number: 180/6 PSL a-k

Category: Machine burners

premix system - one row of jets - for propane gas, oxygen and air;
brass execution,
with inserted burner plate made of brass.
Connection: 1/8 inner thread



Machine burners 180/6 PSL a

Item number: VB1-00624

Box-type burner, burner length 14 mm

Machine burners 180/6 PSL b

Item number: VB1-00626

Box-type burner, burner length 18 mm

Machine burners 180/6 PSL c

Item number: VB1-00629

Box-type burner, burner length 22 mm

Machine burners 180/6 PSL d

Item number: VB1-00628

Box-type burner, burner length 26 mm

Machine burners 180/6 PSL e

Item number: VB1-00630

Box-type burner, burner length 30 mm

Machine burners 180/6 PSL f

Item number: VB1-00632

Box-type burner, burner length 34 mm

Machine burners 180/6 PSL g

Item number: VB1-00633

Box-type burner, burner length 38 mm

Machine burners 180/6 PSL h

Item number: VB1-00634

Box-type burner, burner length 42 mm

Machine burners 180/6 PSL i

Item number: VB1-00635

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Box-type burner, burner length 46 mm

Machine burners 180/6 PSL k

Item number: VB1-00636

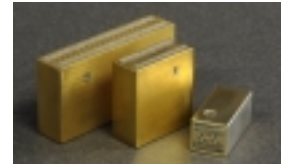
Box-type burner, burner length 50 mm

Machine burner 180/7 ESL a-k

Item number: 180/7 ESL a-k

Category: Machine burners

premix system - two rows of jets - for natural gas, oxygen and air;
made of brass, with built-in brass burner plate.
Connection: 1/8 inner thread



Machine burners 180/7 ESL a

Item number: VB1-00639

Box-type burner, burner length 14 mm

Machine burners 180/7 ESL b

Item number: VB1-00641

Box-type burner, burner length 18 mm

Machine burners 180/7 ESL c

Item number: VB1-00642

Box-type burner, burner length 22 mm

Machine burners 180/7 ESL d

Item number: VB1-00427

Box-type burner, burner length 26 mm

Machine burners 180/7 ESL e

Item number: VB1-00644

Box-type burner, burner length 30 mm

Machine burners 180/7 ESL f

Item number: VB1-00645

Box-type burner, burner length 34 mm

Machine burners 180/7 ESL g

Item number: VB1-00647

Box-type burner, burner length 38 mm

Machine burners 180/7 ESL h

Item number: VB1-00648

Box-type burner, burner length 42 mm

Machine burners 180/7 ESL i

Item number: VB1-00649

Box-type burner, burner length 46 mm

Machine burners 180/7 ESL k

Item number: VB1-00650

Box-type burner, burner length 50 mm

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Machine burner 180/8 PSL a-k

Item number: 180/8 PSL a-k

Category: Machine burners

premix system - three rows of jets - for propane gas, oxygen and air; made of brass, with built-in brass burner plate. Connection: 1/8 inner thread



Machine burners 180/8 PSL a

Item number: VB1-00530

Box-type burner, burner length 14 mm

Machine burners 180/8 PSL b

Item number: VB1-00531

Box-type burner, burner length 18 mm

Machine burners 180/8 PSL c

Item number: VB1-00532

Box-type burner, burner length 22 mm

Machine burners 180/8 PSL d

Item number: VB1-00533

Box-type burner, burner length 26 mm

Machine burners 180/8 PSL e

Item number: VB1-00534

Box-type burner, burner length 30 mm

Machine burners 180/8 PSL f

Item number: VB1-00535

Box-type burner, burner length 34 mm

Machine burners 180/8 PSL g

Item number: VB1-00536

Box-type burner, burner length 38 mm

Machine burners 180/8 PSL h

Item number: VB1-00537

Box-type burner, burner length 42 mm

Machine burners 180/8 PSL i

Item number: VB1-00538

Box-type burner, burner length 46 mm

Machine burners 180/8 PSL k

Item number: VB1-00518

Box-type burner, burner length 50 mm

Machine burner 180/8 ESL a-k

Item number: 180/8 ESL a-k

Category: Machine burners

premix system - three rows of jets - for natural gas, oxygen and air; made of brass, with built-in



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brass burner plate.
Connection: 1/8 inner thread

Machine burners 180/8 ESL a

Item number: VB1-00517

Box-type burner, burner length 14 mm

Machine burners 180/8 ESL b

Item number: VB1-00521

Box-type burner, burner length 18 mm

Machine burners 180/8 ESL c

Item number: VB1-00522

Box-type burner, burner length 22 mm

Machine burners 180/8 ESL d

Item number: VB1-00523

Box-type burner, burner length 26 mm

Machine burners 180/8 ESL e

Item number: VB1-00524

Box-type burner, burner length 30 mm

Machine burners 180/8 ESL f

Item number: VB1-00525

Box-type burner, burner length 34 mm

Machine burners 180/8 ESL g

Item number: VB1-00526

Box-type burner, burner length 38 mm

Machine burners 180/8 ESL h

Item number: VB1-00527

Box-type burner, burner length 42 mm

Machine burners 180/8 ESL i

Item number: VB1-00528

Box-type burner, burner length 46 mm

Machine burners 180/8 ESL k

Item number: VB1-00529

Box-type burner, burner length 50 mm

Machine burner 180/7 PSL a-k

Item number: 180/7 PSL a-k

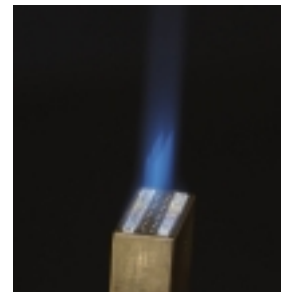
Category: Machine burners

premix system - two rows of jets - for propane gas, oxygen and air; made of brass, with built-in brass burner plate.
Connection: 1/8 inner thread

Machine burners 180/7 PSL a

Item number: VB1-00652

Box-type burner, burner length 14 mm



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Machine burners 180/7 PSL b

Item number: VB1-00654

Box-type burner, burner length 18 mm

Machine burners 180/7 PSL c

Item number: VB1-00655

Box-type burner, burner length 22 mm

Machine burners 180/7 PSL d

Item number: VB1-00657

Box-type burner, burner length 26 mm

Machine burners 180/7 PSL e

Item number: VB1-00658

Box-type burner, burner length 30 mm

Machine burners 180/7 PSL f

Item number: VB1-00660

Box-type burner, burner length 34 mm

Machine burners 180/7 PSL g

Item number: VB1-00661

Box-type burner, burner length 38 mm

Machine burners 180/7 PSL h

Item number: VB1-00662

Box-type burner, burner length 42 mm

Machine burners 180/7 PSL i

Item number: VB1-00663

Box-type burner, burner length 46 mm

Machine burners 180/7 PSL k

Item number: VB1-00665

Box-type burner, burner length 50 mm

Machine burner 140/25/3 WS a-c

Item number: 140/25/3 WS a-c

Category: Machine burners

Surface mix
For hydrogen and oxygen with rectangular burner head and three jet rows. Burner head housing and burner jets made of stainless steel. Regulating valve made of brass.
Advantages: low-noise operation, homogenous flame aspect
high, steady heating capacity
without backfire
very suitable for applications on forming machines
suitable for quartz glass processing

Machine burners 140/25/3 WS a

Item number: VB1-00328

Machine burner

Machine burners 140/25/3 WS b

Item number: VB1-00329

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Machine burner

Machine burners 140/25/3 WS c

Item number: VB1-00330

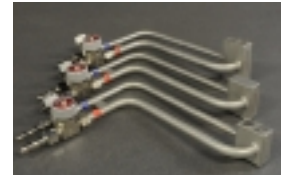
Machine burner

Machine burner 140/25/3 PS a-c

Item number: 140/25/3 PS a-c

Category: Machine burners

Surface mix For propane and oxygen with rectangular burner head and three jet rows. Burner head housing and burner jets made of stainless steel. Regulating valve made of brass. Advantages: low-noise operation, homogenous flame aspect high, steady heating capacity without backfire very suitable for applications on forming machines



Machine burners 140/25/3 PS a

Item number: VB1-00325

Machine burner

Machine burners 140/25/3 PS b

Item number: VB1-00326

Machine burner

Machine burners 140/25/3 PS c

Item number: VB1-00327

Machine burner

Machine burner 140/25/3 ES a-c

Item number: 140/25/3 ES a-c

Category: Machine burners

Surface mix For natural gas and oxygen with rectangular burner head and three jet rows. Burner head housing and burner jets made of stainless steel. Regulating valve made of brass. Advantages: low-noise operation, homogenous flame aspect high, steady heating capacity without backfire very suitable for applications on forming machines



Machine burners 140/25/3 ES a

Item number: VB1-00322

Machine burner

Machine burners 140/25/3 ES b

Item number: VB1-00323

Machine burner

Machine burners 140/25/3 ES c

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Item number: VB1-00324

Machine burner

Machine burner 140/29 ESL a-p

Item number: 140/29 ESL a-p

Category: Machine burners

Premix for natural gas, oxygen and air.

Drilled in four rows, for gas and oxygen or gas, oxygen and air. Burner with acceptance thread M20x1 inside, for replaceable acceptance on mixing chamber with media connections of cat. no. 140/29/2 or 140/29/3.

Advantages:
- very homogenous flame aspect and high heating capacity
- steady, zone free temperature distribution over complete flame width
- noiseless working method
- burner base solid stainless steel body, that guarantees a long life.

Because of these advantages the burners are especially suitable for applications on glass forming machines.

Machine burners 140/29 ESL a

Item number: VB1-00338

Burner heads, 20 mm flame width

Machine burners 140/29 ESL b

Item number: VB1-00339

Burner heads, 25 mm flame width

Machine burners 140/29 ESL c

Item number: VB1-00340

Burner heads, 30 mm flame width

Machine burners 140/29 ESL d

Item number: VB1-00341

Burner heads, 35 mm flame width

Machine burners 140/29 ESL e

Item number: VB1-00342

Burner heads, 40 mm flame width

Machine burners 140/29 ESL f

Item number: VB1-00343

Burner heads, 45 mm flame width

Machine burners 140/29 ESL g

Item number: VB1-00344

Burner heads, 50 mm flame width

Machine burners 140/29 ESL h

Item number: VB1-00345

Burner heads, 55 mm flame width

Machine burners 140/29 ESL i

Item number: VB1-00346

Burner heads, 60 mm flame width

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Machine burners 140/29 ESL k

Item number: VB1-00347

Burner heads, 65 mm flame width

Machine burners 140/29 ESL l

Item number: VB1-00348

Burner heads, 70 mm flame width

Machine burners 140/29 ESL m

Item number: VB1-00349

Burner heads, 85 mm flame width

Machine burners 140/29 ESL n

Item number: VB1-00350

Burner heads, 100 mm flame width

Machine burners 140/29 ESL o

Item number: VB1-00351

Burner heads, 115 mm flame width

Machine burners 140/29 ESL p

Item number: VB1-00352

Burner heads, 130 mm flame width

Machine burner 135/1 ESL a-h

Item number: 135/1 ESL a-h

Category: Machine burners

Surface mixer for natural gas, oxygen and air. For the connection to either gas and oxygen or gas and air with a slight addition of oxygen for flame stabilisation. Burner tubes are straight arranged. Construction: Burner body made of brass, burner tubes and jets are made of stainless steel. Connection tubes are made of brass with needle regulating valves for gas and oxygen. With acceptance rod with a diameter of 10 mm. Gas connection with ball valve. Advantages: versatile field of application as: Fire-polishing burner Sealing burner (glass - metal) each burner tube is separately adjustable resp. closed- fine adjustable flame range from pin-point to bushy flame

Machine burners 135/1 ESL a

Item number: VB1-00301

Special burner

Machine burners 135/1 ESL b

Item number: VB1-00302

Special burner

Machine burners 135/1 ESL c

Item number: VB1-00303

Special burner

Machine burners 135/1 ESL d

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Item number: VB1-00304

Special burner

Machine burners 135/1 ESL e

Item number: VB1-00305

Special burner

Machine burners 135/1 ESL f

Item number: VB1-00306

Special burner

Machine burners 135/1 ESL g

Item number: VB1-00307

Special burner

Machine burners 135/1 ESL h

Item number: VB1-00308

Special burner

Machine burners 138/2 WS 0,8-1,5 Ø

Item number: 138/2 WS 0,8-1,5 Ø

Category: Machine burners

for hydrogen and oxygen, with two needle valves, backlash proof, two connections.

Machine burners 138/2 WS 0,8 Ø

Item number: VB1-00905

Mixing chamber

Machine burners 138/2 WS 1,0 Ø

Item number: VB1-00906

Mixing chamber

Machine burners 138/2 WS 1,2 Ø

Item number: VB1-00907

Mixing chamber

Machine burners 138/2 WS 1,5 Ø Standard

Item number: VB1-00898

Mixing chamber

Machine burners 138/2 PS 0,8-1,5 Ø

Item number: 138/2 PS 0,8-1,5 Ø

Category: Machine burners

for propan-gas and oxygen, with two needle valves, backlash proof, two connections.

Machine burners 138/2 PS 0,8 Ø

Item number: VB1-00902

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Mixing chamber

Machine burners 138/2 PS 1,0 Ø

Item number: VB1-00903

Mixing chamber

Machine burners 138/2 PS 1,2 Ø

Item number: VB1-00904

Mixing chamber

Machine burners 138/2 PS 1,5 Ø Standard

Item number: VB1-00897

Mixing chamber

Machine burners 138/2 ES 0,8-1,5 Ø

Item number: 138/2 ES 0,8-1,5 Ø

Category: Machine burners

for natural-gas and oxygen, with two needle valves, backlash proof, two connections.

Machine burners 138/2 ES 0,8 Ø

Item number: VB1-00899

Mixing chamber

Machine burners 138/2 ES 1,0 Ø

Item number: VB1-00901

Mixing chamber

Machine burners 138/2 ES 1,2 Ø

Item number: VB1-00900

Mixing chamber

Machine burners 138/2 ES 1,5 Ø Standard

Item number: VB1-00582

Mixing chamber

Machine burners 138 PS 3-5

Item number: 138 PS 3-5

Category: Machine burners

<div class="product_preview_pic"><link

typo3/nc/en/glass-quartz-glass/burners/machine-burners/productdetail/10768.html</link></div>

<div class="product_content_right left"><div class="product_desc">Burning-off radial burner</div></div>

Machine burners 138 PS 3

Item number: VB1-00871

Burning-off radial burner

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Machine burners 138 PS 4

Item number: VB1-01013

Burning-off radial burner

Machine burners 138 PS 5

Item number: VB1-00731

Burning-off radial burner

Machine burner 135/1 PSL a-h

Item number: 135/1 PSL a-h

Category: Machine burners

Surface mix for propane, oxygen and air. For the connection to either gas and oxygen or gas and air with a slight addition of oxygen for flame stabilisation. burner tubes are straight arranged. Construction: Burner body made of brass, burner tubes and jets are made from stainless steel. Connection tubes are made from brass with needle regulating valves for gas and oxygen. With acceptance rod with a diameter of 10 mm. Advantages: versatile field of application as: Fire-polishing burner - Sealing burner (glass - metal)- each burner tube is separately adjustable resp. closed- fine adjustable flame range from pin-point to bushy flame

Machine burners 135/1 PSL a

Item number: VB1-00309

Special burner

Machine burners 135/1 PSL b

Item number: VB1-00310

Special burner

Machine burners 135/1 PSL c

Item number: VB1-00311

Special burner

Machine burners 135/1 PSL d

Item number: VB1-00312

Special burner

Machine burners 135/1 PSL e

Item number: VB1-00313

Special burner

Machine burners 135/1 PSL f

Item number: VB1-00314

Special burner

Machine burners 135/1 PSL g

Item number: VB1-00315

Special burner

Machine burners 135/1 PSL h

Item number: VB1-00316

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Special burner

Mixing chamber 138/2 ES 0,8 Ø

Item number: VB1-00899

Category: Machine burners

for natural-gas and oxygen, with two needle valves,backflash proof, two connections.

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Quartz glass burners

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Quartz glass burners 141/18/60

Item number: VB1-00458

Category: Quartz glass burners

Quartz glass burner head
Material: Quartzglass. Gland diameter: approx. 16 mm
Number of jets: 7
Connection tube gas: 8mm
Connection tube oxygen: 8 mm
Max. gas flow rate: 2,5 m³/h
Max. oxygen flow rate: 1,2 m³/h
Please note: Working range increases depending on the used number of burner heads.



Quartz glass burners 141/18/80.010

Item number: VB1-00803

Category: Quartz glass burners

Burner holder for quartz glass burners type 141/18/60, 141/18/70 and 141/18/80
Consisting of:-
stainless steel bar with clamping segment for mounting the unit at the burner stands-
input gas connection via screwing- output connection for the quartz burner (not included at the delivery program) via O-ring crimp screwing- all gas guiding parts made of stainless steel
Technical data:-
input with conical screwing
gas: 3/8 LH
oxygen: 3/8 - output crimp screwing with O-ring seal
gas: 8 mm
oxygen: 8 mm - insert depth of quartz connections: about 20 mm - middle distance of connections: 25 mm

Quartz glass burners 141/245

Item number: VB1-00404

Category: Quartz glass burners

High-capacity burner heads, made of quartz glass. Quartz burner heads for the operation on our counter-fire unit acc. to catalogue no. 141/220.010. Burner with three flat jets, two connections for oxygen and one connection for hydrogen. For the operation on the counter-fire unit mentioned above, two quartz burner heads are necessary!



Quartz glass burners SSQ 141/18/3.2

Item number: VB1-00708

Category: Quartz glass burners

3-flame quartz glass burner with one-sided swivelling screw fitting
Separate gas system for connection to hydrogen and oxygen with 3 radially arranged burner heads (141/18/60) made of quartz glass
Construction:- basic body made of stainless steel- supply connections, at one side with swivelling screw fittings, with clamping ring for 10 mm diameter- burner heads swivelling via ball-and-socket-joint
Advantage:- no metallic burn-off- low noise working procedure - concentric,

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homogeneous flame picture - water cooling is not necessary, even during continuous operation
Technical data: quantity of burner heads: 3 for tube diameter: approx. 25 mm pre-pressure for gas:
1 - 1,5 bar pre-pressure for oxygen: 1,5 - 2 bar max. gas consumption: 7,5 m³/h max. oxygen
consumption: 3,6 m³/h power: 22,5 KW

Quartz glass burners SSQ 141/18/4.2

Item number: VB1-00709

Category: Quartz glass burners

4-flame quartz glass burner with one-sided swivelling screw fitting Separate gas system for
connection at hydrogen and oxygen with 4 radially arranged burner heads (141/18/60) made of
quartz glass Construction:- basic body made of stainless steel- supply connections, at one side
with swivelling screw fittings, with clamping ring for 10 mm diameter- burner heads swivelling via
ball-and-socket-joint Advantage:- no metallic burn-off- low noise working procedure - concentric,
homogeneous flame picture - water cooling is not necessary, even during continuous operation
Technical data:- quantity of burner heads: 4- for tube diameter: approx. 25 mm - pre-pressure for
gas: 1 - 1,5 bar- pre-pressure for oxygen: 1,5 - 2 bar- max. gas consumption: 10 m³/h- max.
oxygen consumption: 4,8 m³/h- power: 30,0 KW

Quartz glass burners SSQ 141/18/5.2

Item number: VB1-00710

Category: Quartz glass burners

5-flame quartz glass burner with bilateral swivelling screw fitting Separate gas system for
connection at hydrogen and oxygen with 4 radially arranged burner heads (141/18/60) made of
quartz glass Construction:- basic body made of stainless steel- supply connections (on both
sides with swivelling screw fittings and a central gas connection with a 10 mm swagelok screw
connection)- burner heads swivelling via ball-and-socket-joint Advantage:- no metallic
burn-off- low noise working procedure - concentric, homogeneous flame picture - water cooling is
not necessary, even at continuous operation Technical data:- quantity of burner heads: 5- for tube
diameter: approx. 25 mm - pre-pressure for gas: 1 - 1,5 bar- pre-pressure for oxygen: 1,5 - 2 bar-
max. gas consumption: 12,5 m³/h- max. oxygen consumption: 6,0 m³/h- power: 37,5 KW

Quartz glass burners SSQ 141/18/6.2

Item number: VB1-00711

Category: Quartz glass burners

6-flame quartz glass burner with swivelling screw fitting- Surface mix - for connection to hydrogen
and oxygen with 6 radially arranged burner heads (141/18/60) made of quartz
glass. Construction:- burner base made of stainless steel- supply connections, at both sides via

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swivelling screw fittings, with clamping

Quartz glass burners SSQ 141/5.008

Item number: VB1-00998

Category: Quartz glass burners

Burner handle made of stainless steel, for the acceptance of burner heads made of quartz glass. Execution:- handle made of plastic- compact needle valves for gas and oxygen-gas connection via hose glands at inlet side- connection for quartz burners via O-ring pinch screwing at outlet side (not included in delivery range) Technical Data:- Ø of hose gland for gas hose: 9 mm- Ø of hose gland for oxygen hose: 6 mm- gas: 8 mm- oxygen: 8 mm- plug-in depth for quartz burner heads approx.: 50 mm- middle distance of connections: 25 mm- length (B) (until handle): 155 mm- total length (A): 295 mm- pinch screwing at outlet side with 3 pcs. O-rings

Quartz glass burners SSQ 141/5.010

Item number: VB1-00999

Category: Quartz glass burners

Burner handle 8 mm with 2 connections, made of stainless steel, for the acceptance of burner heads made of quartz glass. Execution:- handle made of plastic- compact needle valves for gas and oxygen- gas connection via hose glands at inlet side- connection for quartz burners via O-ring pinch screwing at outlet side (not included in delivery range) Technical Data:- Ø of hose gland for gas hose: 9 mm- Ø of hose gland for oxygen hose: 6 mm- gas: 10 mm- oxygen: 10 mm- plug-in depth for quartz burner heads approx.: 50 mm- middle distance of connections: 25 mm- length (B) (until handle): 155 mm- total length (A): 295 mm- pinch screwing at outlet side with 3 pcs. O-rings

Quartz glass burners SSQ 141/5.012

Item number: VB1-00994

Category: Quartz glass burners

Burner handle 12 mm, made of stainless steel, for the acceptance of burner heads made of quartz glass. Execution:- handle made of plastic- compact needle valves for gas and oxygen- gas connection via hose glands at inlet side- connection for quartz burners via O-ring pinch screwing at outlet side (not included in delivery range) Technical Data:- Ø of hose gland for gas hose: 9 mm- Ø of hose gland for oxygen hose: 6 mm- gas: 12 mm- oxygen: 12 mm- plug-in depth for quartz burner heads approx.: 50 mm- middle distance of connections: 25 mm- length (B) (until handle): 155 mm- total length (A): 295 mm- pinch screwing at outlet side with 3 pcs. O-rings

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Quartz glass burners SSQ 141/5.012.710

Item number: VB1-00995

Category: Quartz glass burners

Burner handle 12 mm (long version), made of stainless steel, for the acceptance of burner heads made of quartz glass. Execution: - handle made of plastic- compact needle valves for gas and oxygen- gas connection via hose glands at inlet side- connection for quartz burners via O-ring pinch screwing at outlet side (not included in delivery range) Technical Data: - Ø of hose gland for gas hose: 9 mm- Ø of hose gland for oxygen hose: 6 mm- gas: 12 mm- oxygen: 12 mm- for quartz burner heads approx.: 50 mm- middle distance of connections: 25 mm- length (B) (until handle): 710 mm- total length (A): 850 mm- pinch screwing at outlet side with 3 pcs. O-rings

Quartz glass burners SSQ 141/50.08 WS

Item number: VB1-00539

Category: Quartz glass burners

Radial quartz burner for 250 - 300 mm Surface mix, for hydrogen and oxygen, two-piece, especially for glassworking lathes. Two burner halves, provided for the application of quartz burner heads (our cat. no. 141/18/60). Burner equipment: - without burner heads- without distributing battery- without metal coated gas hoses- without gas and oxygen valves The screw connections for the quartz burner heads are protected with a stainless steel sheet against heat. Technical data:

- Designed for a tube diameter: 250 - 300 mm- Necessary machine center height: 400 mm- Median connections: Hydrogen: G 3/8 LH Oxygen: G 3/8 - Burner screw connections per burner half: 8- Diameter of burner connection: 8 mm- Mechanical execution: stainless steel parts mordant and polished For acceptance at the machine support and radial adjustment of the burner halves we recommend our radial support refer to cat.-no.: 141/52. For distribution of the connected medias we recommend our distribution battery refer to cat.-no.: 141/51 resp. SS 141/51.

Quartz glass burners SSQ 141/50.16 WS-WK

Item number: VB1-00810

Category: Quartz glass burners

Radial quartz burner for 250 - 300 mm Radial burner for hydrogen and oxygen, surface mix, two-piece, especially for the use on glassworking lathes. Two burner halves, prepared for the use of quartz burner heads (type 141/18/60), for gas and oxygen. - without burner heads- without distributor battery- without metal coated gas hoses- without gas and oxygen valves The screwed connections for the quartz burner heads are protected against heat radiation by means of a stainless steel, water cooled sheet. Technical data: - suitable for tube diameter: 250-300 mm- necessary machine-centre height: 400 mm- media connection

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