

Single phase versions

IV 60/27-1 M B1



The IV 60/27- 1 M B1 is a very robust industrial vacuum cleaner, especially developed to handle dusts of the dust explosion classes ST1, ST2 and ST3 in the zone 22. The construction type and the various accessories available make it highly mobile, being used in different sites of the factory and practical for different cleaning tasks. It is driven by a durable side channel turbine. Due to the construction of the motor, this vacuum cleaner is used for continuous duty. It will be operated with 230 V, 50 Hz. For operation the container (dry) part-no. 6.394-523.0 need to be ordered separately.

Standard accessories:

- Accessories included with machine
Nein
- Matching container (dry)
6.394-523.0

Order number: 1.573-150.0



Technical data

Power supply (Ph/V/Hz)	1/220-240/50-50
Air flow rate (l/s)	65
Vacuum (mbar/kPa)	240/24
Container capacity (l)	60
Motor rating	max. 2.7
Power rating in operation	2.7
Filter area (cm ²)	23000
Standard nominal width (mm)	ID/51
Sound pressure level (dB(A))	71
Length of cord access. (m)	8
Weight (kg)	100
Dimensions (L x W x H) (mm)	870x640x1820

Data8ls

Description

The IV 60/27-1 M B1 is a very robust industrial vacuum cleaner, especially developed to handle dusts of the dust explosion classes ST1, ST2 and ST3 in the zone 22. The construction type and the various accessories available make it highly mobile, being used in different sites of the factory and practical for different cleaning tasks. The model is intended to be used for continuous duty (3-shift-operation) because of the motor type embedded in it. The side channel turbine creates a high suction power. The "easy-empty" drop bin fitted with wheels facilitates the transportation of the vacuumed material. The two castors with built-in brakes ensure a good stability, even when the machine is placed on slopes. The cyclone pre-separator is a standard feature and pre-separates large amounts of dust before they can get into the filter area. As a result, the life-time of the filter is expanded considerably. A main filter with a large filter surface and a high dust absorption rate (material dust class M approved) ensures long operating periods with no interruption. A manual, external filter cleaning device, guarantees long operating periods and ensures a long life-time of the filter. The accessory support placed at the front side of the machine allows a comfortable storage of the entire suction accessory set. In the additional accessory basket, can be stored the small nozzles and tools. The cable hook is a convenient cable storage during work and transport duties.

Application

This machine type can be employed in small, medium and ample industrial areas. Its main usage field is the cleaning of floor surfaces, shelves and machines of the dusts of the dust explosion classes ST 1, ST 2 and ST 3 in the zone 22.

Because of the built-in "side-channel-blower" the IV 60/27-1 M B1 is also suitable for the stationary suction for multi-shift operation. Normally the machines in use should be cleaned of splinter and other soilings after they have been in operation. Additionally, the floor surfaces and the areas between the machines as well as the storage areas should be cleaned also within certain time intervals.

Commonly for each type of applications one can come accross with the following range of accessories:

Suction of the pipe exterior and scraps:

- PVC hoses
- Several suction tubes
- Pipe dusting nozzles

Suction of production machines, shelves and production lines:

- PVC hoses for standard applications
- PU hoses for abrasive items like metal scraps or glass fragments
- Several crevice and rubber nozzles for the cleaning of difficult to access areas
- Delta nozzles with rubber or steel edges for shelves or production lines cleaning
- Eventually a splinter basket

Suction of floor surfaces:

- Heavy-duty floor nozzles of 300 mm or 500 mm gauge for coarse surfaces
- Standard floor nozzles of 380 mm, 450 mm or 500 mm gauge, suitable for each location, for lighter liquid or

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solid soilings

- PVC hoses for dust and liquid soilings
- PU hoses for abrasive surfaces with or without liquid content

Suction of liquid and solid mixtures:

- Rubber hoses of 5 m or 10 m length for abrasive items in stationary areas
 - Container for liquid items with splinter basket and drain plug
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Features & Benefits

Will be delivered without container

This version is approved to vacuum dusts up to dust class M

This version is approved to vacuum dust of the dust explosion classes

ST 1, ST 2 and ST 3 in zone 22

Possibility to use the vacuum for 2 or 3 shift operation

Heavy duty construction made out of steel

“Easy empty“ (60 l) drop bin with wheels

In built cyclone assembly and tangential vacuum inlet

Especially built for dust

Large filter surface and built in cleaning device (exterior filter cleaning system)

Filter condition gauge

High quality industrial accessories

Allow fast and efficient work

Comfortable storage of small nozzles and tools on the machine (box)

Accessory storage for completely mounted accessories

Allows fast storage of bend, tubes and nozzles

Cable hook

Allows fast storage of the cable

Front castors

High stability, easy to handle through

Two front castors with break

Easy fixation uneven surfaces and during the transportation with the vehicle

Accessories

Accessory kits

Industrial kit for lighter-duty applications

1 x 4.130-412.0 floor nozzle DN 51, aluminium, 500mm 1 x 6.906-773.0 suction nozzle DN 51, plastic 1 x 6.906-768.0 grout nozzle DN51, plastic 1 x 6.906-767.0 bend DN51, stainless steel 2 x 6.906-766.0 suction tube 0.5 m, DN51, stainless steel 1 x 6.906-791.0 suction hose plastic, DN 51, 5m

Order number 2.641-177.0



Industrial kit for demanding applications

1 x 6.906-793.0 floor nozzle DN 51, H-D, 500 mm 1 x 6.906-773.0 suction nozzle DN 51, plastic 1 x 6.906-768.0 grout nozzle DN 51, plastic 1 x 6.906-767.0 bend DN 51, stainless steel 2 x 6.906-766.0 suction tube 0.5 m DN 51, stainless steel 1 x 6.906-786.0 suction hose PU, DN 51, 5 m

Order number 2.641-178.0



Adapter

Reducer, ID 61 to ID 51

Reducer for connecting DN 51 accessories to a DN 61 suction hose

Order number 6.902-147.0



Connecting sleeve

Connecting sleeve to connect two DN 51 suction hoses to each other.

Order number 6.906-799.0



Suction connector

Connector with live ring for the repair and manufacture of special hose lengths

Order number 6.906-810.0



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Crevice tools

Grout nozzle, synthetic

Plastic, 370 mm

Order number 6.906-768.0



Grout nozzle, stainless steel

Grout nozzle, stainless steel, 400 mm

Order number 6.906-771.0



Floor tools

Floor nozzle cpl. 370 mm

"Aluminium, oil-proof, 370 mm, with hight-adjustable rollers, strips and rubber lips; rubber lip set 6.903-081.0"

Order number 4.130-408.0



Rubber strip set

Rubber strip set 370 mm, oil-resistant, for floor nozzle 4.130-408.0

Order number 6.903-081.0



Rubber strip set

Rubber strip set 450 mm, oil-resistant, for floor nozzles 4.130-410.0 and -411.0

Order number 6.906-146.0



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Floor tools

Floor nozzle cpl. 500 mm

"Aluminium, oil-proof, 500 mm, with height-adjustable rollers, strips and rubber lips; strip set 6.903-067.0; rubber lip set 6.906-168.0"

Order number 4.130-412.0



Floor nozzle, "heavy duty"

Floor nozzle, cast aluminium with height-adjustable rollers for demanding applications

Order number 6.906-793.0



Rubber strip set

Rubber strip set 500 mm, oil-resistant, for floor nozzles 4.130-413.0 and -412.0

Order number 6.906-168.0



Rubber strip, floor nozzle 300 mm

Rubber strip 300 mm, oil-resistant, for floor nozzles 6.906-792.0 and -801.0

Order number 6.906-832.0



Rubber strip, floor nozzle 500 mm

Rubber strip 500 mm, oil-resistant, for floor nozzles 6.906-793.0 and -802.0

Order number 6.906-833.0



Triangular nozzle DN51 (cast aluminium, rubber lip)

Flat surface nozzle 300 mm cast aluminium for demanding applications

Order number 6.906-796.0



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Floor tools

Rubber lip for triangular nozzle 300 mm

Rubber strip 300 mm, oil-resistant, for flat surface nozzles 6.906-796.0 and -805.0

Order number 6.906-834.0



Steel bar for triangular nozzle 300 mm

Steel bar 300 mm, for flat surface nozzle 6.906-796.0 and -805.0 Replacement for 6.906-795.0 and -804.0

Order number 6.906-835.0



Brush strips

Order number 6.903-067.0



Metal Hoses

Metal hose

Suction hose, e.c. 5 m, metal for hot media up to 400°C, not suitable for fluids

Order number 6.906-784.0



Miscellaneous

Pocketed filter (M approved) green;

"Star filter, green, replacement for IV 60 and 100 M B1 but not 100/75 (M B1); must be used for M B1 machines!"

Order number 6.904-342.0



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Miscellaneous

Intake connector, ID 51

Connector for operation of DN 51 industrial hoses on one IV

Order number 6.789-003.0



PE sack, 60 and 100 litres

Disposal sack PE 20 pcs 60/100 l for dust-free disposal

Order number 6.904-348.0



Extension cable

Extension cable, 20 m, 3x1.5 mm². With splash-proof earthing pin plug, strain relief and anti-kink sleeve.

Order number 6.647-022.0



Swarf basket

Swarf basket cpl. for all IV 60 and IV 100 in conjunction with the wet container

Order number 6.394-530.0



Other tools

Pipe dusting tool

Plastic for 250 mm dia. pipes

Order number 6.906-837.0



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Other tools

Round brush

Flat surface nozzle, round, with brush, for the gentle vacuuming of machine surfaces

Order number 6.906-798.0



Replacement brush, round

For round brushes 6.906-798.0 and 6.906-807

Order number 6.906-809.0



Brush, straight

Flat surface nozzle, round, with brush, for the gentle vacuuming of machine surfaces

Order number 6.906-797.0



Round brush, straight, for replacement

For brushes, straight 6.906-797.0 and 6.906-806.0

Order number 6.906-808.0



PU Hoses

Hose

Suction hose, e.c., 5 m, PU for higher demands and abrasive substances

Order number 6.906-786.0



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PU Hoses

Hose

Suction hose, e.c., 10 m, PU for higher demands and abrasive substances

Order number 6.906-788.0



PVC Hoses

Plastic hose

Suction hose, e.c., 5 m, PVC very flexible and light for all common applications

Order number 6.906-791.0



Plastic hose

Suction hose, e.c., 10 m, PVC very flexible and light for all common applications

Order number 6.906-787.0



Rubber Hoses

Suction hose, rubber DN 51 5 m

Suction hose, e.c., 5 m, rubber for predominantly stationary applications and most severe conditions

Order number 6.906-789.0



Stainless Steel Bends

Bend (stainless steel)

The stainless steel bend is equipped with a nylon ring in the upper cone area. This ring facilitates the loosening of the bend even after being used for a long time.

Order number 6.906-767.0



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Suction container

Container without float

60 l container for dry vacuuming mode

Order number 6.394-523.0



Container, 60 litre, stainless

60 litre stainless container for dry and wet pick up, without drain valve (ABS liquid)

Order number 4.070-837.0



Container, 100 litre, stainless

100 litre stainless container for dry and wet pick up, without drain valve (ABS liquid)

Order number 4.070-838.0



Suction Tubes Stainless Steel

Suction tube (stainless steel)

The suction tube (0.5 m) is equipped with a nylon ring in the upper cone area. This ring facilitates the loosening of the bend even after being used for a long time.

Order number 6.906-766.0



Tools for vacuuming smaller areas, cleaning machines

Rubber nozzle, conical

Suction nozzle DN 51, rubber, round

Order number 6.906-764.0



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Tools for vacuuming smaller areas, cleaning machines

Rubber suction tool

Suction nozzle DN 51, plastic, 120 mm, for suction of machines and small surfaces

Order number 6.906-773.0



Rubber suction tool

Angled 45°, for suction of machines, oil-resistant

Order number 6.902-146.0



Steel bar set

Steel bar, triangular nozzle 110 mm, for cast aluminium nozzles 6.904-794.0 and -803.0

Order number 6.906-836.0



Tools for vacuuming surfaces / cleaning machines

Flat surface tool 200mm (Alu)

Flat surface nozzle cpl. DN 51, 200 mm, aluminium with brush and stainless steel bumper

Order number 4.130-414.0



Scratcher and scraper tool (sheet metal)

Scratcher and scraper tool DN 51, sheet metal, 117 mm

Order number 6.906-770.0

