

Three phase versions

## IV 100/55 M B1



The IV 100/55 M B1 is a very robust industrial vacuum cleaner, which addresses the needs of different target groups. This vacuum was especially developed to handle dusts of the dust explosion classes ST 1, ST 2 and ST 3 in the zone 22. The vacuum can be moved around, on flat surfaces by one person, without any effort. Due to the construction of the motor, this vacuum cleaner is used for continuous duty. It will be operated with 400 V, 50 Hz. For operation the container (dry) part-no. 6.394-527.0 need to be ordered separately.

### Standard accessories:

- Accessories included with machine  
Nein
- Matching container (dry)  
6.394-527.0
- Recommended for multi-shift  
operation

**Order number: 1.573-750.0**



### Technical data

Power supply Ph/V/Hz	3/400/50
Air flow rate (l/s)	139
Vacuum (mbar/kPa)	280/28
Container capacity (l)	100
Motor rating	max. 6
Power rating in operation	5.5
Filter area (cm <sup>2</sup> )	23000
Standard nominal width (")	ID/61
Sound pressure level (dB(A))	79
Length of cord access. (m)	8
Weight (kg)	155
Dimensions (L x W x H) (mm)	1220x670x1530

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## Data8ls

### Description

The IV 100/55 M B1 is a very robust industrial vacuum cleaner, which addresses the needs of different target groups. The vacuum can be easily moved around, on flat surfaces by one person. This vacuum was especially developed to handle dusts of the dust explosion classes ST 1, ST 2 and ST 3 in the zone 22. The construction type and the various accessories available make it practical for different cleaning tasks. The model is recommended 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 and is protected by a safety valve against motor overheating. Due to the type of construction and the size of the machine this vacuum cleaner is usually sold for one special site, for one or two users, and remains usually for a longer period on one working site. The "easy-empty" drop bin fitted with wheels facilitates the transportation of the vacuumed material. The cyclone pre-separator is a standard feature and it pre-separates large amounts of dust before they can get into the filter area. As a result, the life-time of the filter is considerably expanded. 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. The external, manual filter cleaning device guarantees long operating periods and ensures a long life-time of the filter. On the storage area, positioned above the motor, can be placed the nozzles and tools. This storage area is also a convenient cable storage during work and transport duties.

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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

Built-in cyclone assembly and tangential vacuum inlet

Especially 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

Two wheels with brakes

Enable good stability on slopes

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Built-in filter cleaning device

Two handles

As support for moving the machine

The side channel turbines are protected against motor overheating

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### 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 lighter-duty applications

1 x 4.130-413.0 floor nozzle DN 61, aluminium, 500mm 1 x 6.903-056.0 suction nozzle DN 61, plastic 1 x 6.900-222.0 grout nozzle DN51, plastic 1 x 6.906-850.0 bend DN 61, stainless steel 2 x 6.906-851.0 suction tube 0.5 m, DN 61, stainless steel 1 x 6.906-781.0 suction hose plastic, DN 61, 5m

**Order number 2.641-175.0**



##### 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**



##### Industrial kit for demanding applications

1 x 6.906-802.0 floor nozzle DN 61, H-D, 500 mm 1 x 6.903-056.0 suction nozzle DN 61 plastic 1 x 6.900-222.0 grout nozzle DN 61 plastic 1 x 6.906-850.0 bend DN 61 stainless steel 2 x 6.906-851.0 suction tube 0.5 m, DN 61, stainless steel 1 x 6.906-777.0 suction hose PU DN 61, 5 m

**Order number 2.641-176.0**



#### 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**



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### Adapter

#### Connecting sleeve

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

Order number 6.906-799.0



#### Connecting sleeve

Connecting sleeve to connect two DN 61 suction hoses to each other.

Order number 6.906-800.0



#### Suction connector

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

Order number 6.906-810.0



#### Suction connector (end piece)

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

Order number 6.906-811.0



### Crevice tools

#### Grout nozzle, synthetic

Plastic, 370 mm

Order number 6.906-768.0



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### Crevice tools

#### Grout nozzle, synthetic

Grout nozzle, plastic, 370 mm

Order number 6.900-222.0



#### Grout nozzle, stainless steel

Grout nozzle, stainless steel, 400 mm

Order number 6.906-771.0



#### Grout nozzle, stainless steel

Grout nozzle, stainless steel, 400 mm

Order number 6.900-926.0



#### Grout nozzle, stainless steel, curved

Grout nozzle, curved, stainless steel

Order number 6.906-831.0



### 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



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### Floor tools

#### 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



#### Floor nozzle cpl. 500 mm

"Aluminium, oil-proof, 500 mm, with hight-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 cpl. 500 mm

Aluminium, oil-proof, 500 mm, with hight-adjustable rollers, strips (6.903-067.0) and rubber lips (6.906-168.1)

Order number 4.130-413.0



#### Floor nozzle, "heavy duty"

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

Order number 6.906-793.0



#### Floor nozzle, "heavy duty"

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

Order number 6.906-802.0



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### Floor tools

#### 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



#### Triangular nozzle DN61 (cast aluminium, rubber lip)

Flat surface nozzle 300 mm cast aluminium for demanding applications

Order number 6.906-805.0



#### 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





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### Floor tools

#### 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



#### Metal hose

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

Order number 6.906-775.0



### 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 61

Connector for operation of DN 61 industrial hoses on one IV

Order number 6.789-004.0



#### PE sack, 60 and 100 litres

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

Order number 6.904-348.0



#### Paper disposal sacks, 100 l

Disposal sack, paper, 100 l for dust-free disposal

Order number 6.904-347.0



#### Filter kit (H approved)

With mounting parts

Order number 6.904-365.0



#### Star filter (H approved), replacement

Absolute filter BIA-H as a replacement for 6.904-365.0 and IV 100/55 H B1

Order number 6.904-345.0



#### Swarf basket

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

Order number 6.394-530.0



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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



### Other tools

#### Pipe dusting tool

Plastic for 250 mm dia. pipes

Order number 6.906-837.0



#### 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



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### Other tools

#### 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**



#### Hose

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

Order number **6.906-777.0**



#### Hose

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

Order number **6.906-788.0**



#### Hose

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

Order number **6.906-778.0**



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### 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., 5 m, PVC very flexible and light for all common applications

Order number 6.906-781.0



#### Plastic hose

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

Order number 6.906-787.0



#### Plastic hose

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

Order number 6.906-782.0



### 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



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### Rubber Hoses

#### Suction hose, rubber DN 61 5 m

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

Order number 6.906-779.0



### 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



#### 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 6.906-850.0



### Suction container

#### Container without float

100 l container for dry vacuuming mode

Order number 6.394-527.0



#### 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



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### 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



#### 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 6.906-851.0



### Tools for vacuuming smaller areas, cleaning machines

#### Rubber nozzle, conical

Suction nozzle DN 51, rubber, round

Order number 6.906-764.0



#### 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

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

Order number 6.903-056.0



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### Tools for vacuuming smaller areas, cleaning machines

#### Rubber suction tool

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

Order number 6.902-146.0



#### Rubber suction tool 45° DN61

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

Order number 6.902-106.0



#### 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



#### Surface tool alu DN61, 200mm

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

Order number 4.130-415.0





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### Tools for vacuuming surfaces / cleaning machines

#### Scratcher and scraper tool (sheet metal)

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

Order number 6.906-770.0



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#### Scratcher and scraper tool DN61 metal

Scratcher and scraper tool DN 61, sheet metal, 117 mm

Order number 6.903-360.0

