

Three phase versions

## IV 100/55



The IV 100/55 is a very robust industrial vacuum cleaner which addresses the needs of different target groups. The vacuum can be moved around, on flat surfaces by one person, without any effort. 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 400 V, 50 Hz. Depending on the operation, container (dry) part-no. 6.394-527.0 or container (wet) part-no. 6.394-529.0 need to be ordered separately.

### Standard accessories:

- Accessories included with machine  
Nein
- Matching container (wet)  
6.394-529.0
- Matching container (dry)  
6.394-527.0
- Recommended for multi-shift  
operation

**Order number: 1.573-701.0**



### 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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## Details

### Description

The IV 100/55 is a very robust industrial vacuum cleaner, which addresses the needs of many different target groups. The vacuum can be moved around, on flat surfaces by one person. The construction type and the various accessories available make it 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 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 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. On the storage area, situated 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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### 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 solid and liquid soiling.

The with 100 l capacity large container predestines this machine to be used as a stationary vacuum-cleaner on production machines. Because of the built-in "side-channel-blower" the IV 100/55 is also suitable for the stationary suction in multi-shift operation. Normally the machines in use should be cleaned of splinter and other soiling 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 across with the following range of accessories:

Suction of production machines, shelves and production lines:

- PVC hoses for standard applications
- PU hoses for abrasive items like metal scraps or glass fragments
- For stationary use and abrasive material rubber-hose recommended
- 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 for coarse surfaces
- Standard floor nozzles of 380 mm, 450 mm or 500 mm, suitable for each location, for lighter liquid or solid soiling
- PVC hoses for dust and liquid soiling
- PU hoses for abrasive surfaces with or without liquid content

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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

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 built 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

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 (material M), white

Start filter, white, replacement for IV 60 and 100 but not "M B1" and not 100/75

Order number 6.904-341.0



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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



#### 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



#### 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



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### Miscellaneous

#### **Swarf basket**

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

**Order number 6.394-530.0**



#### **Intake connector, ID 51**

Connector for operation of DN 51 industrial hoses on one IV

**Order number 6.789-003.0**



#### **Y-piece, DN 51**

Connector for operation of two DN 51 industrial hoses on one IV

**Order number 6.789-001.0**



#### **Y-piece DN61**

Connector for operation of two DN 61 industrial hoses on one IV

**Order number 6.789-002.0**



### Other accessories for T and NT

#### **Pre-separator**

Complete container (80 litre) and lid (ID 61). For coarse dirt and fluids (without suction hose).

**Order number 3.864-010.0**



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### Other accessories for T and NT

#### Barrel separator

Metal, from DN 61 to 61, only for liquids.

Order number 3.864-012.0



#### Lid separator

For 6.902-051.0/4.070-111.0 and NT 802 I tank.

Order number 4.063-132.0



### 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



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### Other tools

#### 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



#### 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



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### PU Hoses

#### 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**



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#### Plastic hose

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

**Order number 6.906-781.0**



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#### Plastic hose

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

**Order number 6.906-787.0**



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#### Plastic hose

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

**Order number 6.906-782.0**



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### 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



#### 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



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### Suction container

#### Container with drain cock 100 l

100 l container with drain cock, cyclone gasket and floater for wet vacuuming mode

Order number 6.394-529.0



#### 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



#### ABS liquid

Includes drain valve and coarse screen for IVC container

Order number 2.882-695.0



### 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



#### 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





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### 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



#### 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



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### 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



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

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

Order number 6.906-770.0



#### Scratcher and scraper tool DN61 metal

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

Order number 6.903-360.0

