

IVC 60/12-1 EC H Z22

Compact industrial vacuum with wear-free Ec motor for continuous applications. Ideal for fine dusts in the production environment and in hygienically sensitive areas (dust class H, ATEX Zone 22).



Order no. 1.576-103.0

- Certified according to DIN EN 60335-2-69:2010
- Dust-free and low-dust disposal
- Anti-static equipment

Technical data

| | | |
|------------------------------------|--------------------|-------------------------|
| EAN code | | 4039784463721 |
| Supply voltage | Ph / V / Hz | 1 / 220 - 240 / 50 - 60 |
| Air flow | l/s / m³/h | 39 / 140 |
| Vacuum | mbar / kPa | 223 / 22.3 |
| Container content | l | 60 |
| Rated input power | kW | 1 |
| Vacuuming type | | Electric |
| Filter areas | m² | 0.95 |
| Connection nominal diameter | | ID 70 |
| Accessory nominal diameter | | ID 40 |
| Sound pressure level | dB(A) | 76 |
| Weight without accessories | kg | 59 |
| Weight incl. packaging | kg | 83.4 |
| Dimensions (L × W × H) | mm | 970 × 690 × 995 |

Users must receive training on this device.

Equipment

| | |
|--|---------------------|
| Filters | Flat pleated filter |
| Accessories included in the scope of delivery | no |
| Container emptying | Set-down trolley |

■ Included in the scope of supply.



Two-stage filter concept permits vacuuming with and without dust filter class H in ATEX zone 22

- Health protection thanks to filter class H when vacuuming health-endangering dusts via bottom branch.
- If class H is unnecessary in Zone 22, the top branch does not need to be used.



Dust-free emptying of dust which is hazardous to health

- The fleece bag is sealed with a lid and protected by an outer LDPE bag for safe disposal.



Designed for continuous operation

- The brushless Ec motors are wear-resistant and therefore ideal for three-shift operation.

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| | | Order no. | Description | |
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| FILTER T/ NT | | | | |
| Flat pleated filter HEPA, dust class H | | | | |
| HEPA-14 flat pleated filter | 1 | 6.904-364.0 | For Kärcher wet and dry vacuum cleaners: HEPA-14 (H14) flat pleated filter. Suitable for vacuuming hazardous dusts, coarse dirt and liquids. | ■ |
| ADAPTERS / REDUCERS / DISTRIBUTORS | | | | |
| Accessories adapter | | | | |
| Adapter accessories DN 50 to DN 51 | 2 | 9.989-603.0 | Steel adapter for connection of DN 50 to DN 51. Electroconductive. | <input type="checkbox"/> |
| Adapter accessories DN 51 to DN 50 | 3 | 9.989-601.0 | Steel adapter for connection of DN 51 to DN 50. Electroconductive. | <input type="checkbox"/> |
| Adapter accessories DN50 to DN61 | 4 | 9.989-602.0 | Steel adapter for connection of DN 50 to DN 61. Electroconductive. | <input type="checkbox"/> |
| Adapter accessories DN 61 to DN 50 | 5 | 9.989-604.0 | Steel adapter for connection of DN 61 to DN 50. Electroconductive. | <input type="checkbox"/> |
| Reducers/expanders | | | | |
| Reduction DN70 to DN50 | 6 | 9.977-772.0 | | <input type="checkbox"/> |
| Reduction DN70 to DN40 | 7 | 9.989-690.0 | Electroconductive steel reducer for reduction from DN 70 to DN 40. | <input type="checkbox"/> |
| Reduction DN50 to DN40 | 8 | 9.981-231.0 | Reducer from DN 50 to DN 40. Material: Steel. Electroconductive. | <input type="checkbox"/> |
| Stainless steel reducer DN 70 to DN 50 | 9 | 9.989-712.0 | | <input type="checkbox"/> |
| Stainless steel reducer DN 70 to DN 40 | 10 | 9.989-713.0 | | <input type="checkbox"/> |
| Expander | | | | |
| Expansion DN50 to DN70 | 11 | 9.981-921.0 | Reducer from external cone DN 50 to internal cone DN 70. Material: Steel. Electroconductive. | <input type="checkbox"/> |
| Distributor | | | | |
| Y-piece fitting DN70 to DN50 | 12 | 9.989-611.0 | Electroconductive steel fitting, DN 70/DN 50 / DN 50. | <input type="checkbox"/> |
| HOSES | | | | |
| PVC | | | | |
| Hose PVC DN40 3 m | 13 | 9.989-647.0 | PVC hose, DN 50. Temperature-resistant up to 85 °C and electroconductive. Length: 3 m. | <input type="checkbox"/> |
| Hose PVC DN40 5 m | 14 | 9.989-614.0 | Electroconductive PVC hose, DN 40. Temperature-resistant up to 85 °C. Length: 5 m. | <input type="checkbox"/> |

■ Included in the scope of supply. □ Available accessories. ○ Detergents.

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| | Order no. | Description | |
|---|-----------|-------------|--|
| HOSES | | | |
| PVC | | | |
| PVC hose DN40 15 m without connectors | 15 | 9.989-633.0 | PVC hose without tap adapter, DN 40. Electroconductive and temperature-resistant up to 85 °C. Length: 15 m. <input type="checkbox"/> |
| EVA | | | |
| Hose EVA NW40 3 m | 16 | 9.988-088.0 | Electroconductive hose with NW 40. Suitable for temperatures up to 65°C. Length: 3 m. <input type="checkbox"/> |
| Hose EVA NW40 5 m | 17 | 9.988-089.0 | Five-metre-long, electroconductive hose with NW 40. Suitable for temperatures up to 65°C. Length: 5 m. <input type="checkbox"/> |
| EVA hose DN40 15 m without connectors | 18 | 9.989-630.0 | EVA hose without tap adapter, DN 40. Electroconductive and temperature-resistant up to 65 °C. Length: 15 m. <input type="checkbox"/> |
| Hose installation set | | | |
| Hose installation kit DN40 | 19 | 9.989-627.0 | Multipiece hose connection set, DN 40. <input type="checkbox"/> |
| PU | | | |
| Hose PU DN40 3 m | 20 | 9.989-617.0 | Oil-resistant, electroconductive PU hose, DN 40. Suitable for abrasive suction media and temperature-resistant up to 80 °C. Length: 3 m. <input type="checkbox"/> |
| Hose PU DN40 5 m | 21 | 9.989-618.0 | Oil-resistant, electroconductive PU hose, DN 40. Suitable for abrasive suction media and temperature-resistant up to 80 °C. Length: 5 m. <input type="checkbox"/> |
| PU hose DN40 15 m without connectors | 22 | 9.989-637.0 | PU hose without tap adapter, DN 40. Electroconductive and temperature-resistant up to 80 °C. Length: 15 m. <input type="checkbox"/> |
| ME-PU | | | |
| Hose ME-PU DN40 3 m | 23 | 9.989-621.0 | Electroconductive, oil-resistant ME-PU hose, DN 40. Suitable for abrasive suction media and temperature-resistant up to 110 °C. Length: 3 m. <input type="checkbox"/> |
| ME-PU hose, DN 40, 5 m | 24 | 9.989-622.0 | <input type="checkbox"/> |
| ME-PU hose DN40 15 m without connectors | 25 | 9.989-640.0 | Electroconductive, oil-resistant ME-PU hose without tap adapter, DN 40. Suitable for abrasive suction media and temperature-resistant up to 110 °C. Length: 15 m. <input type="checkbox"/> |
| HANDLES | | | |
| Handle DN 40 | 26 | 9.977-679.0 | 45° curved and electroconductive handle made from stainless steel. Inner cone DN 40. <input type="checkbox"/> |
| Stainless steel handle NW40 | 27 | 9.989-036.0 | Curved and electroconductive handle made from stainless steel. Angle 45°, inner cone NW 40. <input type="checkbox"/> |
| Elbow aluminium 45° DN40 | 28 | 9.989-544.0 | 45° curved handle made from aluminium, DN 40. <input type="checkbox"/> |

■ Included in the scope of supply. □ Available accessories.

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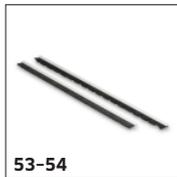


| | | Order no. | Description | |
|--|----|-------------|--|--------------------------|
| HANDLES | | | | |
| Elbow aluminium 45° DN50 | 29 | 9.989-547.0 | Handle with 45° bend. Made from aluminium, DN 50. | <input type="checkbox"/> |
| SUCTION TUBES | | | | |
| Suction tube 850 mm DN 40 | 30 | 9.977-525.0 | Steel extension tube, electroconductive, DN 40. Length: 850 mm. | <input type="checkbox"/> |
| Stainless steel suction tube 850 mm NW40 | 31 | 9.989-039.0 | Stainless steel extension tube, electroconductive, NW 40. Length: 850 mm. | <input type="checkbox"/> |
| Stainless steel suction tube 850 mm NW50 | 32 | 9.988-114.0 | Electroconductive extension tube made from stainless steel. Inner cone NW 50. | <input type="checkbox"/> |
| Carbon suction tube 1500 mm DN40 | 33 | 9.989-552.0 | Very light carbon extension tube, electroconductive, DN 40. Length: 1500 mm. | <input type="checkbox"/> |
| Carbon suction tube 1500 mm DN50 | 34 | 9.989-553.0 | Electroconductive, very light carbon extension tube. Inner cone DN 50, 1500 mm long. | <input type="checkbox"/> |
| NOZZLES | | | | |
| Standard nozzles | | | | |
| Standard PVC nozzle DN40 | 35 | 9.989-674.0 | Electroconductive standard PVC nozzle. DN 40. | <input type="checkbox"/> |
| Standard PVC nozzle DN50 | 36 | 9.989-673.0 | Electroconductive standard PVC nozzle. DN 50. | <input type="checkbox"/> |
| Standard nozzle silicone DN40 | 37 | 9.988-401.0 | Stretchy standard nozzle made from silicone, inner cone DN 40. | <input type="checkbox"/> |
| Standard nozzle silicone DN50 | 38 | 9.988-402.0 | | <input type="checkbox"/> |
| Standard nozzle cuttable rubber DN40 | 39 | 9.989-677.0 | Standard nozzle, electroconductive, made from cuttable rubber. DN 40. | <input type="checkbox"/> |
| Standard nozzle cuttable rubber DN50 | 40 | 9.989-675.0 | Standard nozzle, electroconductive, made from cuttable rubber. DN 50. | <input type="checkbox"/> |
| Standard aluminium nozzle DN40 | 41 | 9.980-748.0 | Diagonal nozzle made from anodised aluminium, electroconductive, DN 40. | <input type="checkbox"/> |
| Standard aluminium nozzle DN50 | 42 | 9.980-749.0 | Diagonal nozzle made from anodised aluminium, electroconductive, DN 50. | <input type="checkbox"/> |

■ Included in the scope of supply. □ Available accessories.

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| | | Order no. | Description | |
|---|----|-------------|---|--------------------------|
| NOZZLES | | | | |
| Flexible standard nozzles | | | | |
| Standard nozzle flexible PVC DN40 | 43 | 9.981-420.0 | Electroconductive, flexible round nozzle made from galvanised steel, with rubber mouthpiece DN 30. | <input type="checkbox"/> |
| Standard nozzle flexible PVC DN50 | 44 | 9.981-421.0 | Electroconductive, flexible round nozzle made from galvanised steel, DN 50, with rubber mouthpiece DN 30. | <input type="checkbox"/> |
| Standard nozzle, flexible, angled 90° PP DN40 | 45 | 9.981-429.0 | Flexible, electroconductive angled nozzle, DN 40, length: 800 mm. | <input type="checkbox"/> |
| Floor nozzles | | | | |
| Aluminium floor nozzle 370 mm DN40 | 46 | 9.989-683.0 | Floor nozzle, 370 mm, made from aluminium. DN 40. | <input type="checkbox"/> |
| Aluminium floor nozzle, el, 370 mm, DN40 | 47 | 9.989-682.0 | Floor nozzle, 370 mm, made from aluminium. Electroconductive. DN 40. | <input type="checkbox"/> |
| Aluminium floor nozzle, el, 370 mm, DN50 | 48 | 9.987-612.0 | Electroconductive multi-purpose floor nozzle. 370 mm wide, DN 50. | <input type="checkbox"/> |
| Stainless steel floor nozzle el 370 mm DN40 | 49 | 9.989-558.0 | Multi-purpose floor nozzle (370 mm), electroconductive, DN 40. | <input type="checkbox"/> |
| Floor nozzle rubber strip oil-resistant. 220 mm | 50 | 9.981-923.0 | Squeegee with plastic strip for floor nozzle, 220 mm wide. | <input type="checkbox"/> |
| Floor nozzle rubber strip 370 mm | 51 | 9.981-914.0 | Squeegee with profiled strip for floor nozzle, 370 mm wide. | <input type="checkbox"/> |
| Floor nozzle rubber strip 500 mm | 52 | 9.981-915.0 | Oil-resistant squeegee with profiled strip for floor nozzle, 500 mm wide. | <input type="checkbox"/> |
| Floor nozzle brush strip el. 370 mm | 53 | 9.984-939.0 | Electroconductive squeegee for floor nozzle, 370 mm wide. | <input type="checkbox"/> |
| Floor nozzle brush strip 500 mm | 54 | 9.980-764.0 | Brush strip set for floor nozzle 500 mm, with profiled strip. | <input type="checkbox"/> |
| Crevice nozzles | | | | |
| Crevice nozzle PP 15 mm × 145 mm DN40 | 55 | 9.988-116.0 | Electroconductive, flat multi-purpose crevice nozzle made from plastic, DN 42. | <input type="checkbox"/> |
| Crevice nozzle PP 15 mm × 145 mm DN50 | 56 | 9.988-117.0 | Electroconductive, flat multi-purpose crevice nozzle made from plastic, DN 52. | <input type="checkbox"/> |

Available accessories.

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|--|----|-------------|--|--------------------------|
| NOZZLES | | | | |
| Crevice nozzles | | | | |
| Crevice nozzle PU 19 mm × 160 mm DN40 | 57 | 9.981-483.0 | Crevice nozzle made from PU, DN 40. | <input type="checkbox"/> |
| Crevice nozzle PU 22 mm × 175 mm DN50 | 58 | 9.981-482.0 | Crevice nozzle made from PU, DN 50. | <input type="checkbox"/> |
| Crevice nozzle 17 mm × 120 mm DN40 | 59 | 9.989-680.0 | Electroconductive crevice nozzle, 17 × 120 mm, DN 40. | <input type="checkbox"/> |
| Crevice nozzle 25 mm × 120 mm DN40 | 60 | 9.989-678.0 | Electroconductive crevice nozzle, 25 × 120 mm, DN 40. | <input type="checkbox"/> |
| Crevice nozzle 18 mm × 120 mm DN50 | 61 | 9.981-442.0 | Electroconductive crevice nozzle made from sheet steel, DN 50, with 17 mm slot width. | <input type="checkbox"/> |
| Crevice nozzle 25 mm × 120 mm DN50 | 62 | 9.981-465.0 | Electroconductive crevice nozzle made from sheet steel, DN 50, with 25 mm slot width. | <input type="checkbox"/> |
| Stainless steel crevice nozzle 17 mm × 120 mm DN40 | 63 | 9.989-193.0 | Crevice nozzle made from stainless steel, DN 50. | <input type="checkbox"/> |
| Flexible crevice nozzles | | | | |
| Flexible crevice nozzle silicone 65 mm DN50 | 64 | 9.988-403.0 | Flexible crevice nozzle made from silicone, DN 50. | <input type="checkbox"/> |
| Flexible crevice nozzle 20 mm × 45 mm DN40 | 65 | 9.981-423.0 | Flexible and electroconductive crevice nozzle made from galvanised steel with 20 mm slot width, DN 40. | <input type="checkbox"/> |
| Flexible crevice nozzle 12 mm × 45 mm DN50 | 66 | 9.981-424.0 | Flexible, electroconductive galvanised crevice nozzle, DN 50, with 13 mm slot width. | <input type="checkbox"/> |
| Flexible crevice nozzle 20 mm × 45 mm DN50 | 67 | 9.981-425.0 | Flexible and electroconductive crevice nozzle made from galvanised steel with 20 mm slot width, DN 50. | <input type="checkbox"/> |
| Surface nozzles | | | | |
| Silicone surface nozzle 120 mm DN40 | 68 | 9.988-118.0 | Electroconductive rubber nozzle, angled, DN 40, suitable for use with foods. | <input type="checkbox"/> |
| Silicone surface nozzle 120 mm DN50 | 69 | 9.988-119.0 | Electroconductive rubber nozzle, angled, DN 50, suitable for use with foods. | <input type="checkbox"/> |
| Aluminium surface nozzle, 150 mm, DN 40 | 70 | 9.989-666.0 | Surface nozzle, 150 mm, made from aluminium. DN 40. | <input type="checkbox"/> |

Available accessories.

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| | | Order no. | Description | |
|--|----|-------------|--|--------------------------|
| NOZZLES | | | | |
| Surface nozzles | | | | |
| Aluminium surface nozzle 150 mm DN50 | 71 | 9.989-665.0 | Surface nozzle, 150 mm, made from aluminium. DN 50. | <input type="checkbox"/> |
| Borehole nozzles | | | | |
| Blind hole nozzle DN40 | 72 | 9.989-671.0 | 90° curved blind hole nozzle with 60 mm diameter. | <input type="checkbox"/> |
| Blind hose nozzle angled 60° DN40 | 73 | 9.989-669.0 | 90° curved blind hole nozzle with 48 mm diameter. DN 40. | <input type="checkbox"/> |
| Blind hose nozzle angled 90° DN40 | 74 | 9.989-667.0 | 90° curved blind hole nozzle with 60 mm diameter. DN 40. | <input type="checkbox"/> |
| Blind hose nozzle angled 90° 200 mm extension DN40 | 75 | 9.989-670.0 | 90° curved blind hole nozzle with 48 mm diameter. DN 40. | <input type="checkbox"/> |
| BRUSHES | | | | |
| Standard brushes | | | | |
| Standard brush 40 mm DN40 | 76 | 9.981-431.0 | Flat brush nozzle DN 40. | <input type="checkbox"/> |
| Standard brush 40 mm DN50 | 77 | 9.981-432.0 | Flat brush nozzle DN 50. | <input type="checkbox"/> |
| End brushes | | | | |
| End brush Ø 82 mm DN40 | 78 | 9.989-609.0 | Electroconductive end brush with 82 mm diameter. DN 40. | <input type="checkbox"/> |
| End brush Ø 82 mm DN50 | 79 | 9.989-608.0 | Electroconductive end brush with 82 mm diameter. DN 50. | <input type="checkbox"/> |
| Surface brushes | | | | |
| Surface brush PP 24 mm DN40 | 80 | 9.989-610.0 | Electroconductive surface brush. DN 40. | <input type="checkbox"/> |
| Surface brush 300 mm DN40 | 81 | 9.981-911.0 | Vacuum brush, 300 mm, with 45° connection, with star screw, horsehair bristles. | <input type="checkbox"/> |
| Surface brush 300 mm DN50 | 82 | 9.981-912.0 | | <input type="checkbox"/> |
| Cylinder brushes | | | | |
| Cylinder brush Ø 101.6 mm DN40 | 83 | 9.989-047.0 | Pipe vacuuming brush for vacuuming cylindrical objects, such as pipelines, diameter 101.6 mm, DN 40. | <input type="checkbox"/> |
| Cylinder brush Ø 101.6 mm DN50 | 84 | 9.989-050.0 | Pipe vacuuming brush with 101.6 mm diameter for vacuuming cylindrical objects, such as pipelines, DN 50. | <input type="checkbox"/> |

Available accessories.

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| | | Order no. | Description | |
|--------------------------------|----|-------------|--|--------------------------|
| BRUSHES | | | | |
| Cylinder brushes | | | | |
| Cylinder brush Ø 203.2 mm DN40 | 85 | 9.989-048.0 | Pipe vacuuming brush with 203.2 mm diameter for vacuuming cylindrical objects, such as pipelines, DN 40. | <input type="checkbox"/> |
| Cylinder brush Ø 203.2 mm DN50 | 86 | 9.989-051.0 | Pipe vacuuming brush, DN 50 and 203.2 mm diameter, for vacuuming cylindrical objects, such as pipelines. | <input type="checkbox"/> |
| Cylinder brush Ø 304.8 mm DN40 | 87 | 9.989-049.0 | Pipe vacuuming brush, DN 40 and 304.8 mm diameter, for vacuuming cylindrical objects, such as pipelines. | <input type="checkbox"/> |
| Cylinder brush Ø 304.8 mm DN50 | 88 | 9.989-052.0 | Pipe vacuuming brush with 304.8 mm diameter for vacuuming cylindrical objects, such as pipelines, DN 50. | <input type="checkbox"/> |

Available accessories.