

## IVR 100/24-2 EF

Two powerful bypass turbines ensure the high suction power of the IVR 100/24-2 Ef mobile industrial vacuum cleaner and safe vacuuming of large quantities of hazardous, fine dust.



Made in Germany



### Order no.

9.989-407.0

- With large emptying flap
- Manual filter cleaning
- Compact construction style that takes up very little floor space

### Technical data

EAN code		4054278695013
Supply voltage	Ph / V / Hz	1 / 220 - 240 / 50 - 60
Air flow	l/s / m³/h	148 / 532
Vacuum	mbar / kPa	230 / 23
Container content	l	100
Rated input power	kW	2.4
Vacuuming type		Electric
Filter areas	m²	1.75
Connection nominal diameter		ID 50
Accessory nominal diameter		ID 50 / ID 40
Sound pressure level	dB(A)	68
Main filter dust class		M
Weight without accessories	kg	116
Weight incl. packaging	kg	116
Dimensions (L × W × H)	mm	950 × 715 × 1640

### Equipment

Secondary filter	■
Container emptying	Emptying flap

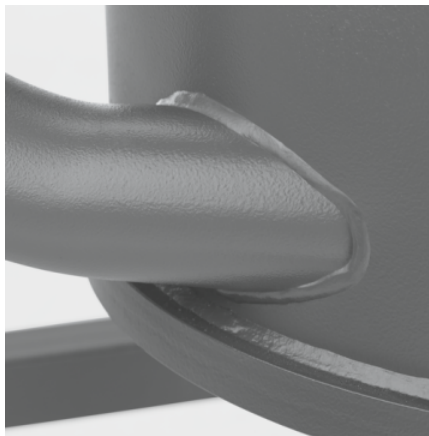
■ Included in the scope of supply.

Users must receive training on this device.



### Convenient, manual discharge flap

- For easy emptying, for example into underfloor conveyors or containers.
- Convenient and time-saving emptying of the suction material, even with large quantities.
- Crane lugs enable safe grabbing and emptying by crane.



### Particularly robust, particularly flexible

- With practical, movable suction hose port/pipe bend.
- With numerous options for accessory storage.
- Machine and chassis very robust and equipped with high wall thicknesses.



### Fitted with two very quiet fan motors

- For powerful suction power and optimum cleaning performance.
- Fans can be switched on separately for individual suction power as required.
- Very quiet drive head ensures that the cooling air is blown out evenly.

## ACCESSORIES FOR IVR 100/24-2 EF 9.989-407.0



	Order no.	Description	
<b>ADAPTERS / REDUCERS / DISTRIBUTORS</b>			
<b>Accessories adapter</b>			
Adapter accessories DN 50 to DN 51	1 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	2 9.989-601.0	Steel adapter for connection of DN 51 to DN 50. Electroconductive.	<input type="checkbox"/>
Adapter accessories DN50 to DN61	3 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	4 9.989-604.0	Steel adapter for connection of DN 61 to DN 50. Electroconductive.	<input type="checkbox"/>
<b>Reducers/expanders</b>			
Reduction DN50 to DN40	5 9.981-231.0	Reducer from DN 50 to DN 40. Material: Steel. Electroconductive.	<input type="checkbox"/>
<b>Expander</b>			
Expansion DN50 to DN70	6 9.981-921.0	Reducer from external cone DN 50 to internal cone DN 70. Material: Steel. Electroconductive.	<input type="checkbox"/>
<b>Distributor</b>			
Y-piece fitting DN50 to DN40	7 9.981-149.0	Manifold, electroconductive, steel, DN 50/40/40.	<input type="checkbox"/>
<b>HOSES</b>			
<b>PVC</b>			
Hose PVC DN50 3 m	8 9.989-615.0	Electroconductive PVC hose, DN 50. Temperature-resistant up to 85 °C. Length: 3 m.	<input type="checkbox"/>
Hose PVC DN50 5 m	9 9.989-616.0	Electroconductive PVC hose, DN 50. Temperature-resistant up to 85 °C. Length: 5 m.	<input type="checkbox"/>
PVC hose DN50 15 m without connectors	10 9.989-634.0	PVC hose without tap adapter, DN 50. Electroconductive and temperature-resistant up to 85 °C. Length: 15 m.	<input type="checkbox"/>
<b>EVA hoses</b>			
Hose EVA NW50 3 m	11 9.988-090.0	Electroconductive hose with NW50. Suitable for temperatures up to 65°C. Length: 3 m.	<input type="checkbox"/>
Hose EVA NW50 5 m	12 9.988-091.0		<input type="checkbox"/>
EVA hose DN50 15 m without connectors	13 9.989-631.0	EVA hose without tap adapter, DN 50. Electroconductive and temperature-resistant up to 65 °C. Length: 15 m.	<input type="checkbox"/>
<b>Hose installation sets</b>			
Hose installation kit DN50	14 9.989-628.0	Multipiece hose connection kit, DN 50.	<input type="checkbox"/>

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

## ACCESSORIES FOR IVR 100/24-2 EF

### 9.989-407.0



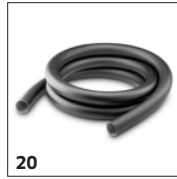
15-16



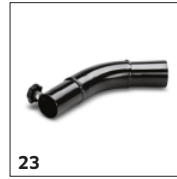
17



18-19



20



23



24



25-26

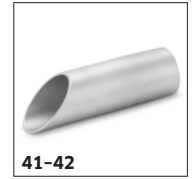
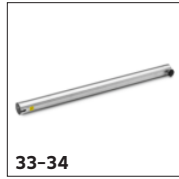
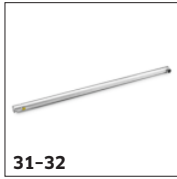


27-28

		Order no.	Description	
<b>HOSES</b>				
<b>PU hoses</b>				
Hose PU DN50 3 m	15	9.989-619.0	Oil-resistant, electroconductive PU hose, DN 50. Suitable for abrasive suction media and temperature-resistant up to 80 °C. Length: 3 m.	<input type="checkbox"/>
Hose PU DN50 5 m	16	9.989-620.0	Oil-resistant, electroconductive PU hose, DN 50. Suitable for abrasive suction media and temperature-resistant up to 80 °C. Length: 5 m.	<input type="checkbox"/>
PU hose DN50 15 m without connectors	17	9.989-638.0	PU hose without tap adapter, DN 50. Electroconductive and temperature-resistant up to 80 °C. Length: 15 m.	<input type="checkbox"/>
<b>ME-PU-hoses</b>				
Hose ME-PU DN50 3 m	18	9.989-623.0	Electroconductive, oil-resistant ME-PU hose, DN 50. Suitable for abrasive suction media and temperature-resistant up to 110 °C. Length: 3 m.	<input type="checkbox"/>
Hose ME-PU DN50 5 m	19	9.989-625.0	Electroconductive, oil-resistant ME-PU hose, DN 50. Suitable for abrasive suction media and temperature-resistant up to 110 °C. Length: 5 m.	<input type="checkbox"/>
ME-PU hose DN50 15 m without connectors	20	9.989-641.0	Electroconductive, oil-resistant ME-PU hose without tap adapter, DN 50. Suitable for abrasive suction media and temperature-resistant up to 110 °C. Length: 15 m.	<input type="checkbox"/>
<b>HANDLES</b>				
Elbow aluminium 45° DN40	21	9.989-544.0	45° curved handle made from aluminium, DN 40.	<input type="checkbox"/>
Elbow aluminium 45° DN50	22	9.989-547.0	Handle with 45° bend. Made from aluminium, DN 50.	<input type="checkbox"/>
Handle DN 40	23	9.977-679.0	45° curved and electroconductive handle made from stainless steel. Inner cone DN 40.	<input type="checkbox"/>
Handle DN 50	24	9.977-678.0	Electroconductive and 45° curved handle made from stainless steel. Inner cone DN 50.	<input type="checkbox"/>
Stainless steel handle NW40	25	9.989-036.0	Curved and electroconductive handle made from stainless steel. Angle 45°, inner cone NW 40.	<input type="checkbox"/>
Stainless steel handle NW50	26	9.988-111.0	Curved and electroconductive handle made from stainless steel. Angle 45°, inner cone NW 50.	<input type="checkbox"/>
<b>SUCTION TUBES</b>				
Carbon suction tube 1500 mm DN40	27	9.989-552.0	Very light carbon extension tube, electroconductive, DN 40. Length: 1500 mm.	<input type="checkbox"/>
Carbon suction tube 1500 mm DN50	28	9.989-553.0	Electroconductive, very light carbon extension tube. Inner cone DN 50, 1500 mm long.	<input type="checkbox"/>

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

## ACCESSORIES FOR IVR 100/24-2 EF 9.989-407.0



		Order no.	Description	
<b>SUCTION TUBES</b>				
Suction tube 850 mm DN 40	29	9.977-525.0	Steel extension tube, electroconductive, DN 40. Length: 850 mm.	<input type="checkbox"/>
	30	9.977-531.0	850 mm long extension tube made from steel. Electroconductive and with inner cone DN 50.	<input type="checkbox"/>
Aluminium suction tube 1500 mm NW40	31	9.989-038.0	Stainless steel extension tube, electroconductive, NW 50. Length: 1500 mm.	<input type="checkbox"/>
Aluminium suction tube 1500 mm NW50	32	9.989-035.0	Electrically conductive suction tube (1500 mm) made of aluminium with 50 mm diameter.	<input type="checkbox"/>
Stainless steel suction tube 850 mm NW40	33	9.989-039.0	Stainless steel extension tube, electroconductive, NW 40. Length: 850 mm.	<input type="checkbox"/>
Stainless steel suction tube 850 mm NW50	34	9.988-114.0	Electroconductive extension tube made from stainless steel. Inner cone NW 50.	<input type="checkbox"/>
<b>NOZZLES</b>				
<b>Standard nozzles</b>				
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"/>

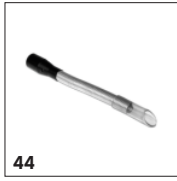
■ Included in the scope of supply. □ Available accessories.

## ACCESSORIES FOR IVR 100/24-2 EF

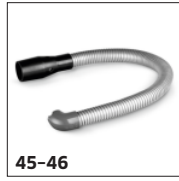
### 9.989-407.0



43



44



45-46



47, 50-51



48, 54



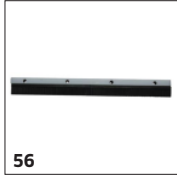
49



52-53



55



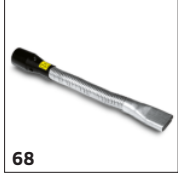
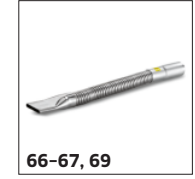
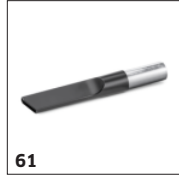
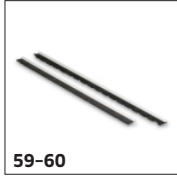
56

	Order no.	Description	
<b>NOZZLES</b>			
<b>Flexible standard nozzles</b>			
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"/>
Standard nozzle, flexible, angled 90° PP DN50	46 9.981-430.0	Flexible, electroconductive angled nozzle, DN 50, length: 800 mm.	<input type="checkbox"/>
<b>Floor nozzles</b>			
Aluminium floor nozzle 370 mm DN40	47 9.989-683.0	Floor nozzle, 370 mm, made from aluminium. DN 40.	<input type="checkbox"/>
Aluminium floor nozzle, el, 370 mm, DN40	48 9.989-682.0	Floor nozzle, 370 mm, made from aluminium. Electroconductive. DN 40.	<input type="checkbox"/>
Aluminium floor nozzle 200 mm DN50	49 9.981-426.0	Floor nozzle, DN 50, with 200 mm suction width.	<input type="checkbox"/>
Aluminium floor nozzle 370 mm DN50	50 9.989-664.0	Floor nozzle. 370 mm, made from aluminium. Electroconductive. DN 50.	<input type="checkbox"/>
Aluminium floor nozzle, el, 370 mm, DN50	51 9.987-612.0	Electroconductive multi-purpose floor nozzle. 370 mm wide, DN 50.	<input type="checkbox"/>
Aluminium floor nozzle 500 mm DN50	52 9.989-684.0	Floor nozzle, 500 mm, made from aluminium. Electroconductive. DN 50.	<input type="checkbox"/>
Aluminium floor nozzle, el, 500 mm, DN50	53 9.981-925.0	Floor nozzle with 500 mm suction width and hinge. DN 50, electroconductive.	<input type="checkbox"/>
Stainless steel floor nozzle el 370 mm DN40	54 9.989-558.0	Multi-purpose floor nozzle (370 mm), electroconductive, DN 40.	<input type="checkbox"/>
Stainless steel floor nozzle el 370 mm DN50	55 9.988-115.0	Floor nozzle (370 mm) made from stainless steel, electroconductive, DN 50.	<input type="checkbox"/>
Floor nozzle rubber strip oil-resistant. 220 mm	56 9.981-923.0	Squeegee with plastic strip for floor nozzle, 220 mm wide.	<input type="checkbox"/>

Available accessories.

## ACCESSORIES FOR IVR 100/24-2 EF

### 9.989-407.0



	Order no.	Description		
<b>NOZZLES</b>				
<b>Floor nozzles</b>				
Floor nozzle rubber strip 370 mm	57	9.981-914.0	Squeegee with profiled strip for floor nozzle, 370 mm wide.	<input type="checkbox"/>
Floor nozzle rubber strip 500 mm	58	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	59	9.984-939.0	Electroconductive squeegee for floor nozzle, 370 mm wide.	<input type="checkbox"/>
Floor nozzle brush strip 500 mm	60	9.980-764.0	Brush strip set for floor nozzle 500 mm, with profiled strip.	<input type="checkbox"/>
<b>Crevice nozzles</b>				
Crevice nozzle PP 15 mm × 145 mm DN50	61	9.988-117.0	Electroconductive, flat multi-purpose crevice nozzle made from plastic, DN 52.	<input type="checkbox"/>
Crevice nozzle PU 22 mm × 175 mm DN50	62	9.981-482.0	Crevice nozzle made from PU, DN 50.	<input type="checkbox"/>
Crevice nozzle 18 mm × 120 mm DN50	63	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	64	9.981-465.0	Electroconductive crevice nozzle made from sheet steel, DN 50, with 25 mm slot width.	<input type="checkbox"/>
<b>Flexible crevice nozzles</b>				
Flexible crevice nozzle silicone 65 mm DN50	65	9.988-403.0	Flexible crevice nozzle made from silicone, DN 50.	<input type="checkbox"/>
Flexible crevice nozzle 11 mm × 58 mm DN40	66	9.989-681.0	Electroconductive and flexible crevice nozzle, 11 × 58 mm.	<input type="checkbox"/>
Flexible crevice nozzle 20 mm × 45 mm DN40	67	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	68	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	69	9.981-425.0	Flexible and electroconductive crevice nozzle made from galvanised steel with 20 mm slot width, DN 50.	<input type="checkbox"/>
<b>Surface nozzles</b>				
Silicone surface nozzle 120 mm DN40	70	9.988-118.0	Electroconductive rubber nozzle, angled, DN 40, suitable for use with foods.	<input type="checkbox"/>

Available accessories.

## ACCESSORIES FOR IVR 100/24-2 EF 9.989-407.0



		Order no.	Description	
<b>NOZZLES</b>				
<b>Surface nozzles</b>				
Silicone surface nozzle 120 mm DN50	71	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	72	9.989-666.0	Surface nozzle, 150 mm, made from aluminium. DN 40.	<input type="checkbox"/>
Aluminium surface nozzle 150 mm DN50	73	9.989-665.0	Surface nozzle, 150 mm, made from aluminium. DN 50.	<input type="checkbox"/>
<b>Liquid nozzles</b>				
Liquid nozzle 900 mm DN50	74	9.981-427.0	Bypass nozzle, DN 50, overall length: 1000 mm.	<input type="checkbox"/>
<b>Borehole nozzles</b>				
Blind hole nozzle DN40	75	9.989-671.0	90° curved blind hole nozzle with 60 mm diameter.	<input type="checkbox"/>
Blind hose nozzle angled 60° DN40	76	9.989-669.0	90° curved blind hole nozzle with 48 mm diameter. DN 40.	<input type="checkbox"/>
Blind hose nozzle angled 90° DN40	77	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	78	9.989-670.0	90° curved blind hole nozzle with 48 mm diameter. DN 40.	<input type="checkbox"/>
<b>BRUSHES</b>				
<b>Standard brushes</b>				
Standard brush 40 mm DN40	79	9.981-431.0	Flat brush nozzle DN 40.	<input type="checkbox"/>
Standard brush 40 mm DN50	80	9.981-432.0	Flat brush nozzle DN 50.	<input type="checkbox"/>
<b>End brushes</b>				
End brush Ø 82 mm DN40	81	9.989-609.0	Electroconductive end brush with 82 mm diameter. DN 40.	<input type="checkbox"/>
End brush Ø 82 mm DN50	82	9.989-608.0	Electroconductive end brush with 82 mm diameter. DN 50.	<input type="checkbox"/>
<b>Surface brushes</b>				
Surface brush PP 24 mm DN40	83	9.989-610.0	Electroconductive surface brush. DN 40.	<input type="checkbox"/>
Surface brush 300 mm DN40	84	9.981-911.0	Vacuum brush, 300 mm, with 45° connection, with star screw, horsehair bristles.	<input type="checkbox"/>

Available accessories.



## ACCESSORIES FOR IVR 100/24-2 EF

### 9.989-407.0



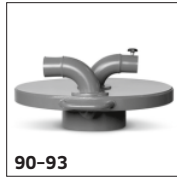
84-85



86



89



90-93



94



95



96



97



98

	Order no.	Description	
<b>BRUSHES</b>			
<b>Surface brushes</b>			
Surface brush 300 mm DN50	85	9.981-912.0	Vacuum brush, 300 mm, with 45° connection, with star screw, horsehair bristles. <input type="checkbox"/>
<b>PRE-SEPARATORS</b>			
<b>Pre-separator</b>			
Pre-separator Ef solid materials 100 l DN70	86	9.982-238.0	Mobile pre-separator station with 110 l volume and emptying flap. <input type="checkbox"/>
Pre-separator dust 40 l DN40	87	9.989-687.0	<input type="checkbox"/>
Pre-separator dust 60 l DN50	88	9.989-688.0	<input type="checkbox"/>
Pre-separator drum 200 l	89	9.989-685.0	Standard drum which complies with the ISO 15750-2 standard. <input type="checkbox"/>
<b>Pre-separator lid</b>			
Pre-separator cover Op liquids ø 517 mm DN70	90	9.981-666.0	Pre-separator cover DN 70. Suitable for containers with 517 mm diameter. <input type="checkbox"/>
Pre-separator cover Op liquids ø 575 mm DN70	91	9.981-662.0	Pre-separator cover DN 70 for 200 litre standard drum (9.989-685.0). <input type="checkbox"/>
Pre-separator cover solid materials ø 517 mm DN70	92	9.981-665.0	Pre-separator cover DN 70. Suitable for containers with 517 mm diameter. <input type="checkbox"/>
Pre-separator cover solid materials ø 575 mm DN70	93	9.981-661.0	Pre-separator cover DN 70 for 200 litre standard drum (9.989-685.0). <input type="checkbox"/>
<b>ACCESSORY SETS</b>			
<b>Liquids</b>			
Liquid accessory kit DN 40	94	9.989-660.0	Accessory kit DN 40 for liquid vacuums: PU hose 3 m (9.989-617.0), handle (9.977-679.0), standard nozzle (9.988-401.0), reducer (9.989-690.0), surface nozzle 120 mm (9.988-118.0). <input type="checkbox"/>
Liquid accessory kit DN50	95	9.989-661.0	Accessory kit DN 50 for liquid vacuums: PU hose 3 m (9.989-619.0), handle (9.977-678.0), standard nozzle (9.988-402.0), reducer (9.977-772.0), surface nozzle 120 mm (9.988-119.0). <input type="checkbox"/>
<b>Liquids/swarf</b>			
Accessory kit for liquids/chips DN40	96	9.989-657.0	Accessory kit, DN 40, for liquid and swarf vacuum: ME-PU hose, 3 m (9.989-621.0), handle (9.977-679.0), suction tube (9.977-525.0), floor nozzle (9.989-683.0), standard nozzle (9.989-674.0). <input type="checkbox"/>
Accessory kit for liquids/chips DN50	97	9.989-658.0	Accessory kit DN50 for liquid vacuum and swarf vacuum: 3 m ME-PU hose (9.989-623.0), handle (9.977-678.0), standard nozzle (9.989-673.0), reducer (9.977-772.0), surface nozzle (9.988-119.0). <input type="checkbox"/>
<b>Solids/dusts</b>			
Accessory kit for solids/dust DN 40	98	9.989-659.0	Accessory kit DN 40 for industrial vacuum cleaners (solids and dust): EVA hose (9.988-088.0), handle (9.977-679.0), standard nozzle (9.988-401.0), reducer (9.989-690.0). <input type="checkbox"/>

Available accessories.

**ACCESSORIES FOR IVR 100/24-2 EF**  
**9.989-407.0**



		Order no.	Description	
<b>ACCESSORY SETS</b>				
<b>Solids/dusts</b>				
Accessory kit for solids/dust DN 50	99	9.989-662.0	Accessory kit DN 50 for industrial vacuum cleaners (solids and dust): EVA hose (9.988-090.0), handle (9.977-678.0), standard nozzle (9.988-402.0), reducer (9.977-772.0).	<input type="checkbox"/>

Available accessories.