IVR 100/24-2 SC M ACD

With a rated input power of 2.4 kW, the AC-powered IVR 100/24-2 Sc impressively vacuums combustible dusts and fine swarf. For use in non-explosive areas.

Made in Germany

2-3 h

Order no.	9.990-645.0

- ACD – Applied for Combustible Dust

Technical data

EAN code		4066529111302
Number of current phases	**Ph**	1
Voltage	**V**	220 – 240
Frequency	**Hz**	50 – 60
Air flow	**l/s / m³/h**	148 / 532
Vacuum	**mbar / kPa**	230 / 23
Container capacity	**l**	100
Container material		Steel
Rated input power	**kW**	2.4
Vacuuming type		Electric
Connection nominal diameter		DN 70
Accessory nominal diameter		DN 50
Sound pressure level	**dB(A)**	68
Cable length	**m**	10
Main filter dust class		M
Filter area for main filter	**m²**	1.75
Colour		anthracite
Weight without accessories	**kg**	103
Weight incl. packaging	**kg**	103.9
Dimensions (L × W × H)	**mm**	915 × 760 × 1580

Equipment

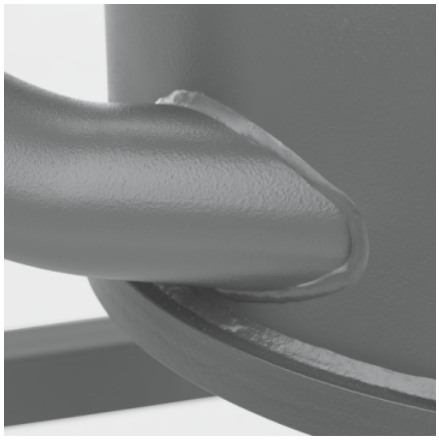
Main filter: Pocket filter

Accessories included in the scope of delivery: no

Container emptying: Set-down trolley

ACD – Applied for Combustible Dust

- For the safe and economical vacuuming of combustible dusts.
- Conforms to the IEC 60335-2-69 standard.



Designed for high mechanical stress and versatile in use.

- With practical, movable suction hose port/pipe bend.
- With numerous options for accessory storage.
- The machine and chassis feature reinforced wall thicknesses and are designed for continuous industrial use.

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.
- The sound-dampened drive head with an operating noise level of 68 dB(A) ensures an even exhaust of cooling air.

IVR 100/24-2 Sc M ACD, 9.990-645.0, 2026-09-18

SUSTAINABILITY ASPECTS OF IVR 100/24-2 SC M ACD 9.990-645.0

Sustainability aspects of Beyond Cleaning			
Recycled plastics share device	**%**	29	All plastic parts excluding accessories

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		Order no.	Description	
FILTERS				
Bag/star filter				
Bag filter 1.75 m², Kat. M, antistatic	1	9.981-680.0		■
Bag filter PE M 1.75 m²	2	9.981-681.0	Electroconductive filter cloth for dust class M with 517 mm diameter and 1.75 m² filter area.	■
EMPTYING SUPPORTS				
Emptying bags				
PE emptying bag dia. 540 mm 100 l	3	9.979-512.0		■
Disposal bag PE dia. 540 mm 100 l (5 pieces)	4	9.989-607.0	For dust-free emptying: 5 PE emptying bags with 100 l capacity. Diameter: 540 mm.	■
ACCESORY SETS				
Accessory kit for liquids				
Liquid/solid accessory kit Expert DN50	5	9.990-879.0	Accessory kit DN50 for liquid vacuums: PU hose 3 m (9.989-619.0), handle (9.977-678.0), standard nozzle (9.988-402.0), surface nozzle 120 mm (9.988-119.0).	☐
Accessory kit for solids/dust				
Food accessory kit Expert DN 50	6	9.989-941.0	Food accessory kit: PU hose 3 m (9.989-973.0), handle (9.989-899.0), standard nozzle (9.989-844.0), brush (9.989-880.0), reducer (9.989-712.0), adapter (9.993-011.0).	☐
Accessory kit for overhead cleaning DN 50 Expert	7	9.989-943.0	Accessory kit DN 50 for overhead cleaning: suction tubes (9.989-921.0/9.993-009.0), handles (9.989-917.0/9.989-919.0), standard nozzle (9.989-844.0), brush (9.989-880.0), adapter (9.993-011.0).	☐
Accessory kit for solids/dust DN 50 Expert	8	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).	☐
NOZZLES				
Standard nozzles				
Standard nozzle silicone FDA blue DN-F50	9	9.989-841.0		☐
Standard nozzle silicone FDA green DN-F50	10	9.989-842.0		☐
Standard nozzle silicone FDA red DN-F50	11	9.989-843.0		☐
Standard nozzle silicone FDA transparent DN-F50	12	9.989-844.0		☐
Standard nozzle silicone FDA white DN-F50	13	9.989-845.0		☐
Standard nozzle silicone FDA yellow DN-F50	14	9.989-846.0		☐

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

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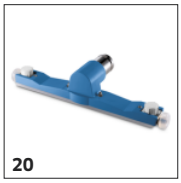
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		Order no.	Description	
NOZZLES				
Standard nozzles				
Standard PVC nozzle DN50	15	9.989-673.0	Electroconductive standard PVC nozzle. DN 50.	☐
Standard nozzle silicone DN50	16	9.988-402.0		☐
Standard nozzle cuttable rubber DN50	17	9.989-675.0	Standard nozzle, electroconductive, made from cuttable rubber. DN 50.	☐
Standard aluminium nozzle DN50	18	9.980-749.0	Diagonal nozzle made from anodised aluminium, electroconductive, DN 50.	☐
Flexible standard nozzles				
Standard nozzle flexible PVC DN50	19	9.981-421.0	Electroconductive, flexible round nozzle made from galvanised steel, DN 50, with rubber mouthpiece DN 30.	☐
Floor nozzles				
Floor nozzle stainless steel AISI 316L DN-F50 blue	20	9.989-862.0		☐
Floor nozzle stainless steel AISI 316L DN-F50 green	21	9.989-864.0		☐
Floor nozzle stainless steel AISI 316L DN-F50 red	22	9.989-866.0		☐
Floor nozzle stainless steel AISI 316L DN-F50 transparent	23	9.989-868.0		☐
Floor nozzle stainless steel AISI 316L DN-F50 white	24	9.989-870.0		☐
Floor nozzle stainless steel AISI 316L DN-F50 yellow	25	9.989-872.0		☐
Floor nozzle stainless steel AISI 316L DN-F50	26	9.989-915.0		☐
Floor nozzle stainless steel 400 mm DN-F50	27	9.989-935.0		☐
Floor nozzle aluminium 400 mm DN-F50	28	9.989-937.0		☐

☐ Available accessories.

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		Order no.	Description	
NOZZLES				
Floor nozzles				
Aluminium floor nozzle 370 mm DN50	29	9.989-664.0	Floor nozzle. 370 mm, made from aluminium. DN 50.	☐
Aluminium floor nozzle, el, 370 mm, DN50	30	9.987-612.0	Electroconductive multi-purpose floor nozzle. 370 mm wide, DN 50.	☐
Aluminium floor nozzle 500 mm DN50	31	9.989-684.0	Floor nozzle, 500 mm, made from aluminium. Electroconductive. DN 50.	☐
Stainless steel floor nozzle el 370 mm DN50	32	9.988-115.0	Floor nozzle (370 mm) made from stainless steel, electroconductive, DN 50.	☐
Crevice nozzles				
Crevice nozzle stainless steel DN50	33	9.989-283.0		☐
Crevice nozzle PP 15 mm × 145 mm DN50	34	9.988-117.0	Electroconductive, flat multi-purpose crevice nozzle made from plastic, DN 52.	☐
Crevice nozzle 25 mm × 120 mm DN50	35	9.981-465.0	Electroconductive crevice nozzle made from sheet steel, DN 50, with 25 mm slot width.	☐
Stainless steel crevice nozzle 22 mm × 220 mm DN 50	36	9.988-123.0	Stainless steel crevice nozzle, DN 50, suitable for use with foods.	☐
Flexible crevice nozzles				
Crevice nozzle flexible silicone FDA DN-F50 transparent	37	9.989-847.0		☐
Flexible crevice nozzle 12 mm × 45 mm DN50	38	9.981-424.0	Flexible, electroconductive galvanised crevice nozzle, DN 50, with 13 mm slot width.	☐
Flexible crevice nozzle 20 mm × 45 mm DN50	39	9.981-425.0	Flexible and electroconductive crevice nozzle made from galvanised steel with 20 mm slot width, DN 50.	☐
Surface nozzles				
Silicone surface nozzle FDA blue DN-F50	40	9.989-850.0		☐
Silicone surface nozzle FDA green DN-F50	41	9.989-852.0		☐
Silicone surface nozzle FDA red DN-F50	42	9.989-854.0		☐

☐ Available accessories.

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		Order no.	Description	
NOZZLES				
Surface nozzles				
Silicone surface nozzle FDA transparent DN-F50	43	9.989-856.0		☐
Silicone surface nozzle FDA white DN-F50	44	9.989-858.0		☐
Silicone surface nozzle FDA yellow DN-F50	45	9.989-860.0		☐
Silicone surface nozzle 120 mm DN50	46	9.988-119.0	Electroconductive rubber nozzle, angled, DN 50, suitable for use with foods.	☐
BRUSHES				
Standard brushes				
Standard brush 40 mm DN50	47	9.981-432.0	Flat brush nozzle DN 50.	☐
End brushes				
Brush FDA blue ø 75 mm DN-F50	48	9.989-874.0		☐
Brush FDA green ø 75 mm DN-F50	49	9.989-876.0		☐
Brush FDA red ø 75 mm DN-F50	50	9.989-878.0		☐
Brush FDA white ø 75 mm DN-F50	51	9.989-880.0		☐
Brush FDA yellow ø 75 mm DN-F50	52	9.989-882.0		☐
Surface brushes				
Surface brush 300 mm DN50	53	9.981-912.0	Vacuum brush, 300 mm, with 45° connection, with star screw, horsehair bristles.	☐
Cylinder brushes				
Cylinder brush ø 100 mm DN-F50	54	9.989-925.0		☐
Cylinder brush ø 200 mm DN-F50	55	9.989-926.0		☐
HOSES				
PO-Schäuche				
Hose PO el. ø50mm 3m	56	9.990-924.0		☐

☐ Available accessories.

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		Order no.	Description	
HOSES				
PVC				
Hose PVC DN50 3 m	57	9.989-964.0		☐
Hose PVC DN50 5 m	58	9.989-965.0		☐
Hose PVC DN50 3 m	59	9.989-615.0	Electroconductive PVC hose, DN 50. Temperature-resistant up to 85 °C. Length: 3 m.	☐
Hose PVC DN50 5 m	60	9.989-616.0	Electroconductive PVC hose, DN 50. Temperature-resistant up to 85 °C. Length: 5 m.	☐
EVA hoses				
Hose EVA, hose connectors stainless steel, DN 50 3 m	61	9.989-984.0		☐
Hose EVA, hose connectors stainless steel, DN 50 5 m	62	9.989-985.0		☐
Hose EVA NW50 3 m	63	9.988-090.0	Electroconductive hose with NW50. Suitable for temperatures up to 65°C. Length: 3 m.	☐
Hose EVA NW50 5 m	64	9.988-091.0		☐
PU hoses				
Hose PU, hose connectors stainless steel, DN 50 3 m	65	9.989-968.0		☐
Hose PU, hose connectors stainless steel, DN 50 5 m	66	9.989-969.0		☐
Hose PU FDA, hose connectors stainless steel, DN 50 3 m	67	9.989-973.0		☐
Hose PU FDA, hose connectors stainless steel, DN 50 5 m	68	9.989-974.0		☐
Hose PU DN50 3 m	69	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.	☐
Hose PU DN50 5 m	70	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.	☐

☐ Available accessories.

ACCESSORIES FOR IVR 100/24-2 SC M ACD
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		Order no.	Description	
HANDLES				
Handle stainless steel AISI 304 DN50	71	9.989-897.0		☐
Handle straight stainless steel AISI 304 DN50	72	9.989-899.0		☐
Handle DN50, curved	73	9.977-678.0	Electroconductive and 45° curved handle made from stainless steel. Inner cone DN 50.	☐
Stainless steel handle NW50	74	9.988-111.0	Curved and electroconductive handle made from stainless steel. Angle 45°, inner cone NW 50.	☐
SUCTION TUBES				
Suction tube stainless steel AISI 304 DN50	75	9.989-913.0		☐
Suction tube el. ø50mm IK50 – AK50	76	9.990-934.0		☐
Suction tube 850 mm DN 50	77	9.977-531.0	850 mm long extension tube made from steel. Electroconductive and with inner cone DN 50.	☐
Aluminium suction tube 1500 mm NW50	78	9.989-035.0	Electrically conductive suction tube (1500 mm) made of aluminium with 50 mm diameter.	☐
Stainless steel suction tube 850 mm NW50	79	9.988-114.0	Electroconductive extension tube made from stainless steel. Inner cone NW 50.	☐
OTHER ACCESSORIES				
Cable drum 25 m (3 × 1.5 ²)	80	9.982-080.0	AC cable drum with 25 m cable, for fixing in accessories holder 6.415-930.0.	☐
ADAPTERS / REDUCERS / DISTRIBUTORS				
Accessories adapter				
Adapter Food DN-F50	81	9.993-011.0		☐
Reducers/expanders				
Reducer DN 70 to DN 50	82	9.977-772.0		☐
Expander				
Expansion DN50 to DN70	83	9.981-921.0	Reducer from external cone DN 50 to internal cone DN 70. Material: Steel. Electroconductive.	☐
Distributor				
Y-piece fitting DN50 to DN40	84	9.981-149.0	Manifold, electroconductive, steel, DN 50/40/40.	☐

☐ Available accessories.

ACCESSORIES FOR IVR 100/24-2 SC M ACD
9.990-645.0

		Order no.	Description	
PRE-SEPARATORS				
Pre-separator				
Pre-separator station SB 100L	85	9.982-243.0		☐
Pre-separator Ef solid materials 100 l DN70	86	9.982-238.0	Mobile pre-separator station with 100 l capacity and discharge flap.	☐
Pre-separator dust 60 l DN50	87	9.989-688.0		☐
Pre-separator drum 200 l	88	9.989-685.0	Standard drum which complies with the ISO 15750-2 standard.	☐
Pre-separator lid				
Pre-separator lid DN 50, for 200 l drum	89	9.981-659.0		☐
Pre-separator cover Op liquids ø 575 mm DN70	90	9.981-662.0	Pre-separator cover DN 70 for 200 litre standard drum (9.989-685.0).	☐
Pre-separator cover solid materials ø 517 mm DN70	91	9.981-665.0	Pre-separator cover DN 70. Suitable for containers with 517 mm diameter.	☐
Pre-separator cover solid materials ø 575 mm DN70	92	9.981-661.0	Pre-separator cover DN 70 for 200 litre standard drum (9.989-685.0).	☐

☐ Available accessories.