IVR-L 400/24-2 TC

For vacuuming large quantities of coarse metal shavings and liquids such as oils and coolant emulsions: IVR-L 400/24-2 Tc mobile liquid and swarf vacuum. With 400 l container capacity.

Made in Germany

2–3 h

Order no.	9.989-402.0

- 360° working radius, ergonomic tilting chassis

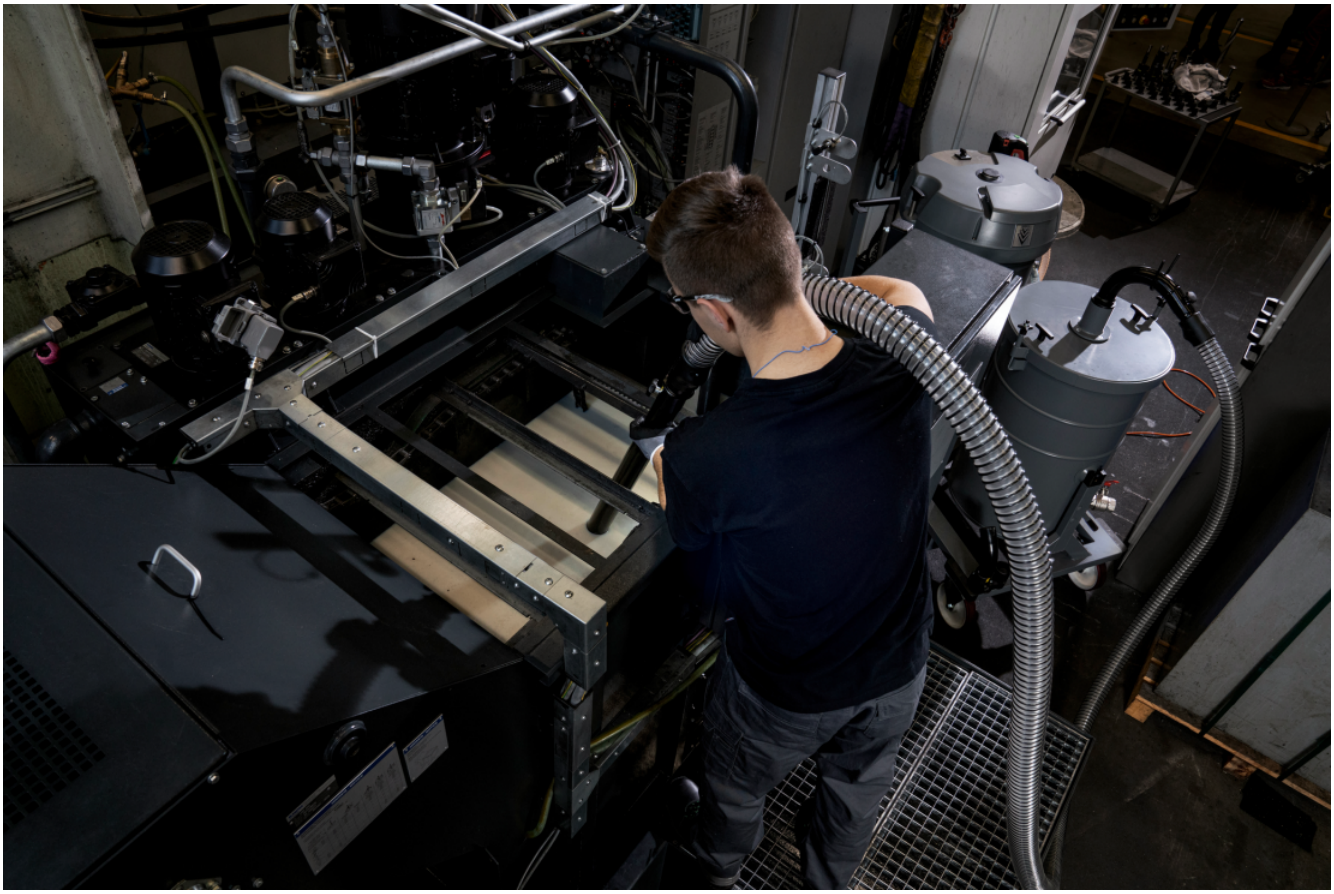
Technical data

EAN code		4054278695150
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	400
Rated input power	kW	2.4
Vacuuming type		Electric
Connection nominal diameter		DN 50
Accessory nominal diameter		DN 50
Main filter dust class		L
Filter area for main filter	m²	0.45
Sound pressure level	dB(A)	68
Cable length	m	10
Weight without accessories	kg	180
Weight (with accessories)	kg	187.2
Weight incl. packaging	kg	188.1
Dimensions (L × W × H)	mm	1730 × 805 × 1390

Equipment

Main filter: Surface filter

Container emptying: Tilting chassis



Ergonomic tilting chassis with roll-off mechanism

- Sophisticated system for safe, manual, effortless emptying.
- Chassis system enables ergonomic tilted emptying using the roll-off mechanism.
- Quick and convenient emptying of the large 400-litre containers by tilting.

Convenient and time-saving emptying option using a forklift

- Welded in forklift plug-in units enable safe grabbing and transportation.

Visual filling level indicator

- Transparent hose for checking the amount of fluid absorbed.
- The hose is also used for easy emptying.

IVR-L 400/24-2 Tc, 9.989-402.0, 2026-10-02

SUSTAINABILITY ASPECTS OF IVR-L 400/24-2 TC 9.989-402.0

Sustainability aspects of Beyond Cleaning			
Recycled plastics share device	**%**	35	All plastic parts excluding accessories

KÄRCHER

ACCESSORIES FOR IVR-L 400/24-2 TC
9.989-402.0

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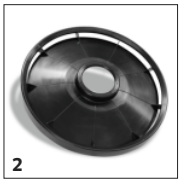
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		Order no.	Description	
FILTERS				
Surface filter				
Surface filter PE L 0.45 m²	1	9.988-256.0		■
OTHER ACCESSORIES				
Baffle plate Ø 517 mm	2	9.980-857.0	Baffle plate made from plastic with 517 mm diameter for containers and tanks.	■
Cable drum 25 m (3 × 1.5 ²)	3	9.982-080.0	AC cable drum with 25 m cable, for fixing in accessories holder 6.415-930.0.	☐
HANDLES				
Handle DN50, curved	4	9.977-678.0	Electroconductive and 45° curved handle made from stainless steel. Inner cone DN 50.	☐
SUCTION TUBES				
Suction tube 850 mm DN 50	5	9.977-531.0	850 mm long extension tube made from steel. Electroconductive and with inner cone DN 50.	☐
ACCESORY SETS				
Accessory kit for liquids				
Liquid/solid accessory kit Expert DN50	6	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 liquids/chips				
Oil/swarf accessory kit DN50 Expert	7	9.990-881.0	Accessory kit DN50 for liquid and swarf vacuum: ME-PU hose 3 m (9.989-623.0), handle (9.977-678.0), standard nozzle (9.989-673.0), surface nozzle (9.988-119.0).	☐
Floor cleaning kit liquid Advanced DN 50	8	9.990-896.0	Advanced liquid floor cleaning set: EVA hose (9.990-926.0), handle (9.990-928.0), 2 × suction tube (9.990-932.0), floor nozzle (9.990-938.0), standard nozzle (9.980-761.0).	☐
NOZZLES				
Standard nozzles				
Mouth piece elastic nozzle DN 50	9	9.980-761.0		☐
Standard PVC nozzle DN50	10	9.989-673.0	Electroconductive standard PVC nozzle. DN 50.	☐
Standard nozzle silicone DN50	11	9.988-402.0		☐
Standard nozzle cuttable rubber DN50	12	9.989-675.0	Standard nozzle, electroconductive, made from cuttable rubber. DN 50.	☐
Standard aluminium nozzle DN50	13	9.980-749.0	Diagonal nozzle made from anodised aluminium, electroconductive, DN 50.	☐
Flexible standard nozzles				
Standard nozzle flexible PVC DN50	14	9.981-421.0	Electroconductive, flexible round nozzle made from galvanised steel, DN 50, with rubber mouthpiece DN 30.	☐

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

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		Order no.	Description	
NOZZLES				
Flexible standard nozzles				
Standard nozzle, flexible, angled 90° PP DN50	15	9.981-430.0	Flexible, electroconductive angled nozzle, DN 50, length: 800 mm.	☐
Floor nozzles				
Aluminium floor nozzle 200 mm DN50	16	9.981-426.0	Floor nozzle, DN 50, with 200 mm suction width.	☐
Aluminium floor nozzle 370 mm DN50	17	9.989-664.0	Floor nozzle. 370 mm, made from aluminium. DN 50.	☐
Aluminium floor nozzle 500 mm DN50	18	9.989-684.0	Floor nozzle, 500 mm, made from aluminium. Electroconductive. DN 50.	☐
Crevice nozzles				
Crevice nozzle PP 15 mm × 145 mm DN50	19	9.988-117.0	Electroconductive, flat multi-purpose crevice nozzle made from plastic, DN 52.	☐
Crevice nozzle 18 mm × 120 mm DN50	20	9.981-442.0	Electroconductive crevice nozzle made from sheet steel, DN 50, with 17 mm slot width.	☐
Crevice nozzle 25 mm × 120 mm DN50	21	9.981-465.0	Electroconductive crevice nozzle made from sheet steel, DN 50, with 25 mm slot width.	☐
Flexible crevice nozzles				
Flexible crevice nozzle silicone 65 mm DN50	22	9.988-403.0	Flexible crevice nozzle made from silicone, DN 50.	☐
Flexible crevice nozzle 12 mm × 45 mm DN50	23	9.981-424.0	Flexible, electroconductive galvanised crevice nozzle, DN 50, with 13 mm slot width.	☐
Flexible crevice nozzle 20 mm × 45 mm DN50	24	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 120 mm DN50	25	9.988-119.0	Electroconductive rubber nozzle, angled, DN 50, suitable for use with foods.	☐
Aluminium surface nozzle 150 mm DN50	26	9.989-665.0	Surface nozzle, 150 mm, made from aluminium. DN 50.	☐
Liquid nozzles				
Liquid nozzle 900 mm DN50	27	9.981-427.0	Bypass nozzle, DN 50, overall length: 1000 mm.	☐
Borehole nozzles				
Blind hole nozzle DN40	28	9.989-671.0	90° curved blind hole nozzle with 60 mm diameter.	☐

☐ Available accessories.

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		Order no.	Description	
NOZZLES				
Borehole nozzles				
Blind hose nozzle angled 60° DN40	29	9.989-669.0	90° curved blind hole nozzle with 48 mm diameter. DN 40.	☐
Blind hole nozzle angled 90° DN40	30	9.989-667.0	90° curved blind hole nozzle with 60 mm diameter. DN 40.	☐
Blind hose nozzle angled 90° 200 mm extension DN40	31	9.989-670.0	90° curved blind hole nozzle with 48 mm diameter. DN 40.	☐
BRUSHES				
End brushes				
End brush Ø 82 mm DN50	32	9.989-608.0	Electroconductive end brush with 82 mm diameter. DN 50.	☐
HOSES				
Hose installation sets				
Hose installation kit DN50	33	9.989-628.0	Multipiece hose connection kit, DN 50.	☐
Hose connection kit, stainless steel AISI 304 DN50	34	9.989-987.0	Hose connection kit in nominal width DN 50, made of stainless steel. Contents: 1 hose connection piece, 1 hose connection (rotating), 2 hose clamps, 2 hose end pieces (black), 1 flat bag (PE plastic).	☐
Hose connection kit, DN50 AISI 304 FDA	35	9.990-346.0	FDA-compliant hose connection kit in nominal width DN 50, made of stainless steel. Contents: 1 hose connection piece, 1 hose connection, 2 hose clamps, 2 hose end pieces (white), 1 flat bag (PE plastic).	☐
PU hoses				
Hose PU, hose connectors stainless steel, DN 50 3 m	36	9.989-968.0		☐
Hose PU, hose connectors stainless steel, DN 50 5 m	37	9.989-969.0		☐
Hose PU FDA, hose connectors stainless steel, DN 50 3 m	38	9.989-973.0		☐
Hose PU FDA, hose connectors stainless steel, DN 50 5 m	39	9.989-974.0		☐
Hose PU FDA DN50 15 m, without connectors	40	9.989-975.0		☐
Hose PU DN50 3 m	41	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	42	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-L 400/24-2 TC
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		Order no.	Description	
HOSES				
PU hoses				
PU hose DN50 15 m without connectors	43	9.989-638.0	PU hose without tap adapter, DN 50. Electroconductive and temperature-resistant up to 80 °C. Length: 15 m.	☐
ME-PU-hoses				
Hose ME-PU DN50 3 m	44	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.	☐
Hose ME-PU DN50 5 m	45	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.	☐
ME-PU hose DN50 15 m without connectors	46	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.	☐
ADAPTERS / REDUCERS / DISTRIBUTORS				
Reducers/expanders				
Reducer DN 70 to DN 50	47	9.977-772.0		☐
Reduction DN50 to DN40	48	9.981-231.0	Reducer from DN 50 to DN 40. Material: Steel. Electroconductive.	☐
Expander				
Expansion DN50 to DN70	49	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	50	9.981-149.0	Manifold, electroconductive, steel, DN 50/40/40.	☐
EMPTYING SUPPORTS				
Strainer baskets				
Filter basket, stainless steel, Ø 495 mm, 40 l	51	9.980-849.0	Stainless steel strainer basket with 40 l capacity and 1.5 mm hole diameter for separating liquids and shavings.	☐
Other emptying aids				
Overfill protection dia. 540 mm	52	9.982-117.0	Float insert, stainless steel, for overfill prevention with ball float, central suction.	☐
PRE-SEPARATORS				
Pre-separator				
Pre-separator station SB 100L	53	9.982-243.0		☐
Pre-separator Tc Op liquids 125 l DN70	54	9.989-686.0	125 litre pre-separator, DN 70.	☐
Pre-separator Ef solid materials 100 l DN70	55	9.982-238.0	Mobile pre-separator station with 100 l capacity and discharge flap.	☐
Pre-separator drum 200 l	56	9.989-685.0	Standard drum which complies with the ISO 15750-2 standard.	☐

☐ Available accessories.

ACCESSORIES FOR IVR-L 400/24-2 TC
9.989-402.0

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		Order no.	Description	
PRE-SEPARATORS				
Pre-separator lid				
Pre-separator lid DN 50, for 200 l drum	57	9.981-659.0		☐
Pre-separator cover Op liquids ø 517 mm DN70	58	9.981-666.0	Pre-separator cover DN 70. Suitable for containers with 517 mm diameter.	☐
Pre-separator cover Op liquids ø 575 mm DN70	59	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	60	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	61	9.981-661.0	Pre-separator cover DN 70 for 200 litre standard drum (9.989-685.0).	☐

☐ Available accessories.