

**Wet Separator  
Type NA:**  
Safe devices  
Safe functions



# Wet separators Type NA 7-11

Degasification valve

Filter cartridges for  
dust class H

Sheet steel housing

Liquid container

Suction connection

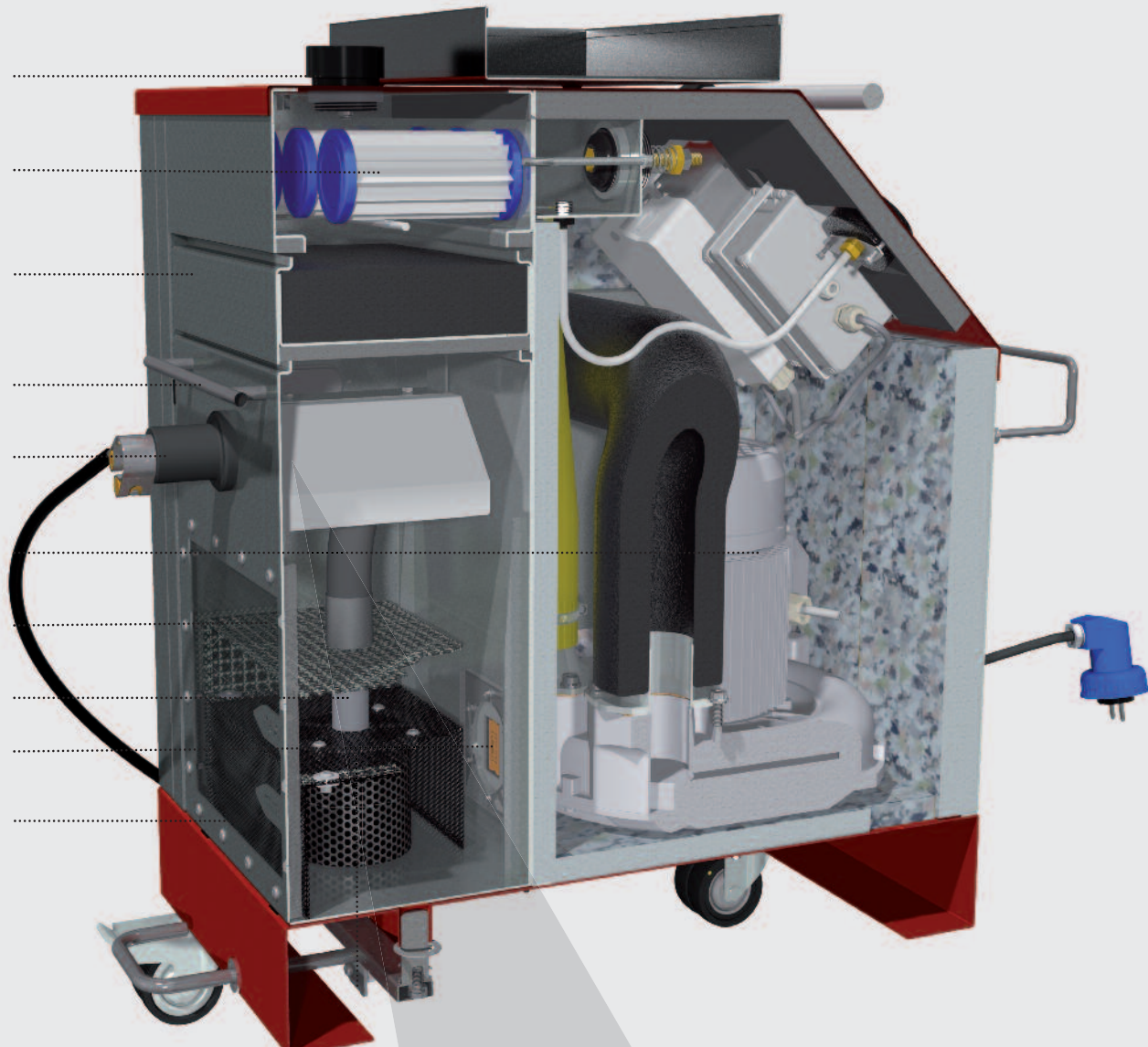
Direct drive motor  
(side-channel blower)

Swirl filter

Dip tube

Fill level indicator

Fill level monitoring /  
viewing panel



Added safety  
due to hose  
locking system



# Wet separator as a special solution

The wet separator is a unit which separates dust from unfiltered gas waste. Wet separators vacuum the dust-filled air and feed it into a dust container filled with liquid. There, the air and dust are swirled together with the liquid, the dust adheres to the liquid and sinks to the bottom to form sediment.

The wet separators are suitable for vacuuming dust from explosive substances, sticky or potentially explosive dust, propellant powder residues, explosives, titanium, aluminium or magnesium dust, to name a few.

Depending on the type and amount of the material to be vacuumed, there are three different wet separators - **NA 7-11, NA 35 and NA 250.**

# Small, manageable and effective

- RUWAC's smallest wet separators
- Simple removal of the dust container
  - Sheet steel housing
- Areas of application include SLM (selective laser melting), aeronautics, automotive and medical engineering.

Use in SLM production



NA 7-11 with accessories

# Wet Separator Type NA 35

GRP housing

Three-phase motor

Blower, designed and  
built by Ruwac

Residual dust filter  
for dust class H

Filter cartridges,  
dust class M

Demister mat

Degasification valve

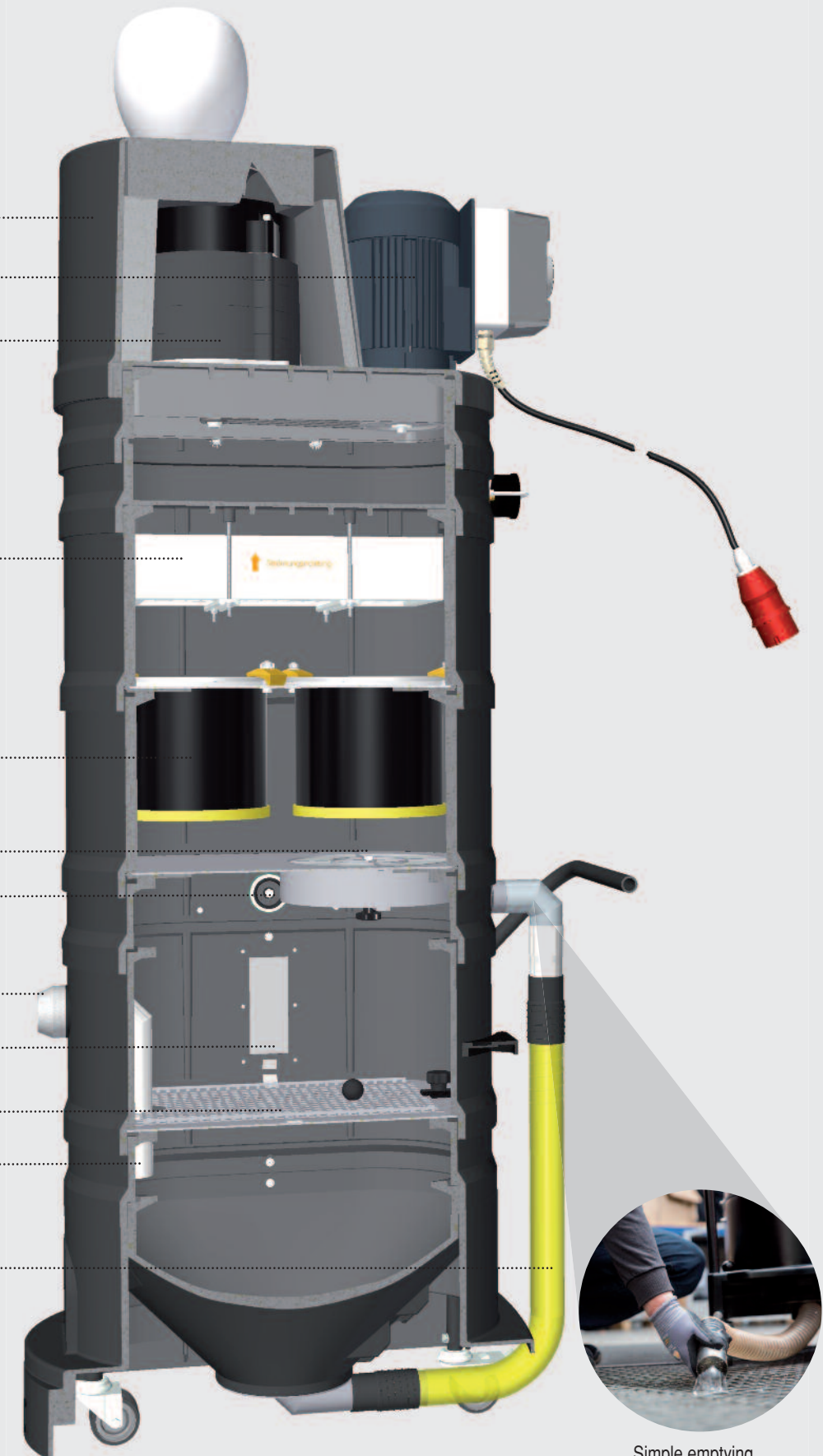
Hose connection

Fill level monitoring /  
viewing panel

Swirl filter

Dip tube

Fill level monitoring



Simple emptying  
of the NA 35

# Tried and tested GRP housing

- RUWAC's mid-size wet separators
  - Tried and tested GRP housing
- Flexible thanks to the modular design
- Can also be used in pyrotechnics
- Available with or without drive
- Variety of trolley frames

NA 35 Type WSP  
in the field of  
university research



NA 35 Type WSP  
in aluminium  
processing



NA 35 Type D1  
in automotive  
supply/production



NA 35 Type WSP  
and NA 35 Type D1  
without drive



# Wet Separator Type NA 250

Degasification valve

Degasification valve

Residual dust filter  
cartridge for dust class M / H

Demister mat

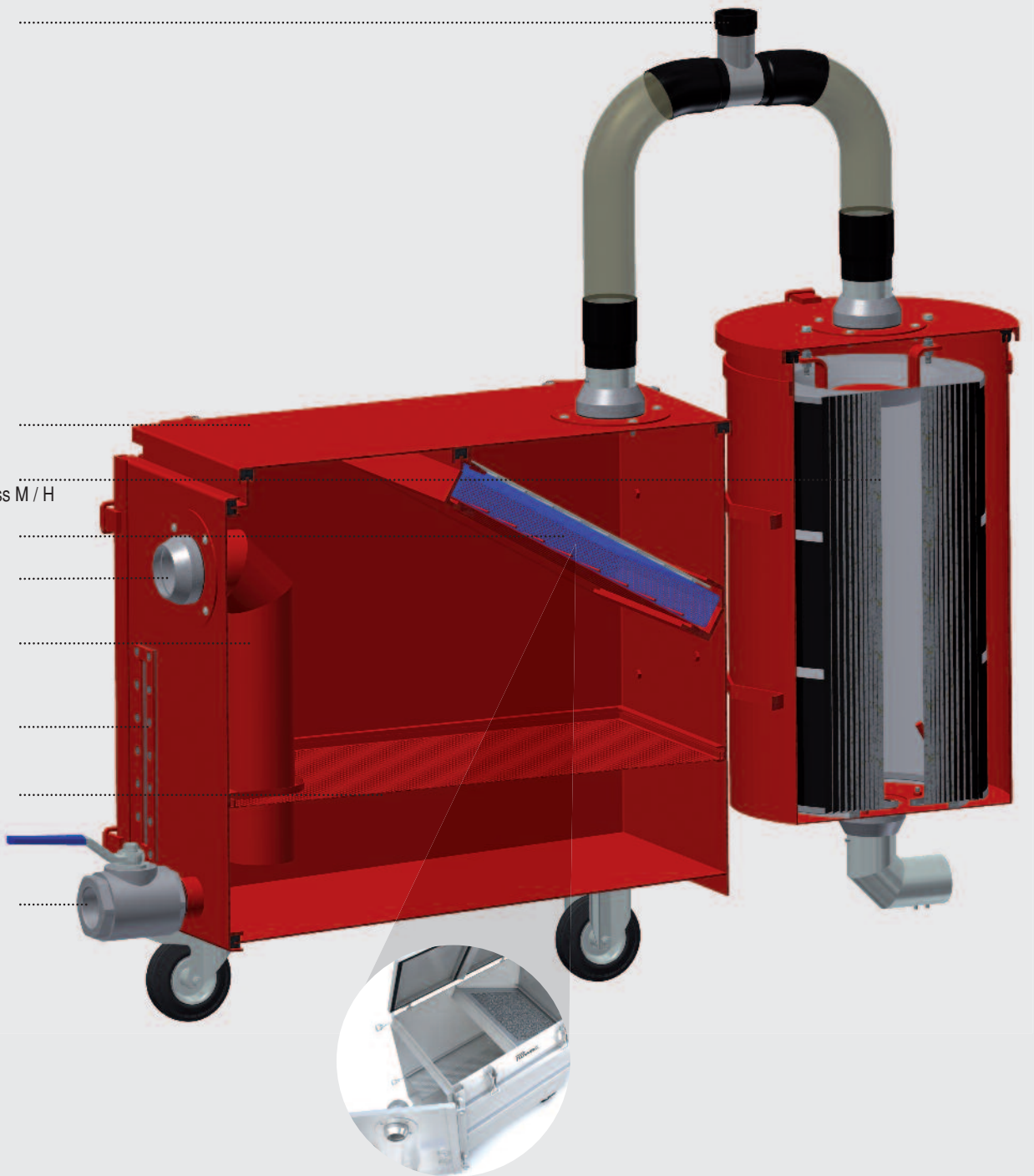
Suction connection

Dip tube

Fill level monitoring /  
viewing panel

Swirl filter

Ball valve



Easy cleaning of wet separator



▶ cut to film

# Powerful but manageable

- RUWAC's largest wet separators
  - No drive
- Additional filter for residual dust for dust class M / H possible
- Extremely quick and easy to empty and clean
- Sheet steel or stainless steel version
- 75 litre capacity

NA 250  
stainless steel  
without residual dust  
filter, with industrial  
vacuum cleaner type  
DS 1220



NA 250  
sheet steel with residual  
dust filter in automotive  
supply/production



NA 250  
sheet steel without  
residual dust filter, with  
vacuum unit in plastics  
processing



NA 250  
stainless steel with  
residual dust filter



# Technical data

Wet separators WITH drive	NA 35 D1 - NA 35 WSP			NA 7-11		
	GRP	GRP	GRP	Sheet steel	Sheet steel	Sheet steel
Housing	GRP	GRP	GRP	Sheet steel	Sheet steel	Sheet steel
Motor power (kW)	1,5	2,2	4,0	1,1	1,3	1,5
Voltage (V)	400	400	400	230	230	230
Vacuum (mbar)	-180	-206	-213	-165	-165	-165
Short-term vacuum (mbar)	-	-	-	-235	-235	-235
Air flow rate (m <sup>3</sup> /h) (measured with 3m hose)	250	270	350	130	145	145
Sound pressure level (dB(A)) (DIN EN ISO 3744)	64	70	70	60	60	60
Filter cartridges for dust class M (m <sup>2</sup> )	2 x 1,7	2 x 1,7	2 x 1,7	3 x 0,1	3 x 0,1	3 x 0,1
Residual dust filter for dust class H (m <sup>2</sup> )	3,2	3,2	3,2	3 x 0,1	3 x 0,1	3 x 0,1
Height (mm) NA 35 D1	1.490	1.490	1.490	-	-	-
Height (mm) NA 35 WSP	1.480	1.480	1.480	-	-	-
Height (mm) NA 7-11	-	-	-	755	755	755
Width (mm) NA 35 D1	540	540	540	-	-	-
Width (mm) NA 35 WSP	700	700	700	-	-	-
Width (mm) NA 7-11	-	-	-	480	480	480
Length (mm)	840	840	840	705	705	705
Protection class IP	55 / 65	55 / 65	55 / 65	65	65	65
Capacity (litres)	35	35	35	7	7	7

Wet separators WITHOUT drive	NA 35 D1 - NA 35 WSP	NA 250
	GRP	Stainless steel / Sheet steel
Housing	GRP	Stainless steel / Sheet steel
Filter cartridges for dust class M (m <sup>2</sup> )	2 x 1,7	10
Residual dust filter for dust class H (m <sup>2</sup> )	3,2	-
Height (mm) NA 35 D1	1.025	-
Height (mm) NA 35 WSP	1.015	-
Height (mm) NA 250	-	1.100 - 1.820
Width (mm) NA 35 D1	540	-
Width (mm) NA 35 WSP	700	-
Width (mm) NA 250	-	580 - 930
Length (mm)	840	985 - 1.860
Capacity (litres)	35	75

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Wet separators are available in explosion-proof versions in accordance with ATEX 94/9/EC.



DIN EN 60335-2-69, Anh. CC

ATEX 94/9/EG

DIN EN 60335-2-69, Anh. AA

14-105-002-05.2015