

# Three phase vacuum units

DS 1...

DSZ 1...



# Example applications



DS 1400 explosive gas for the fire brigade



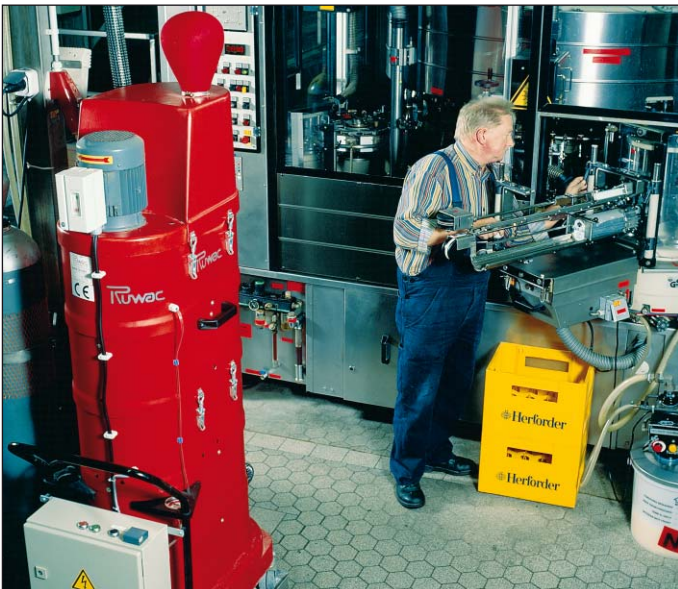
DS 1220 FS (fine dust) explosive dust, zone 22



DSZ 1150 for floor cleaning



DS 1220 as a silo vacuum for machine cleaning

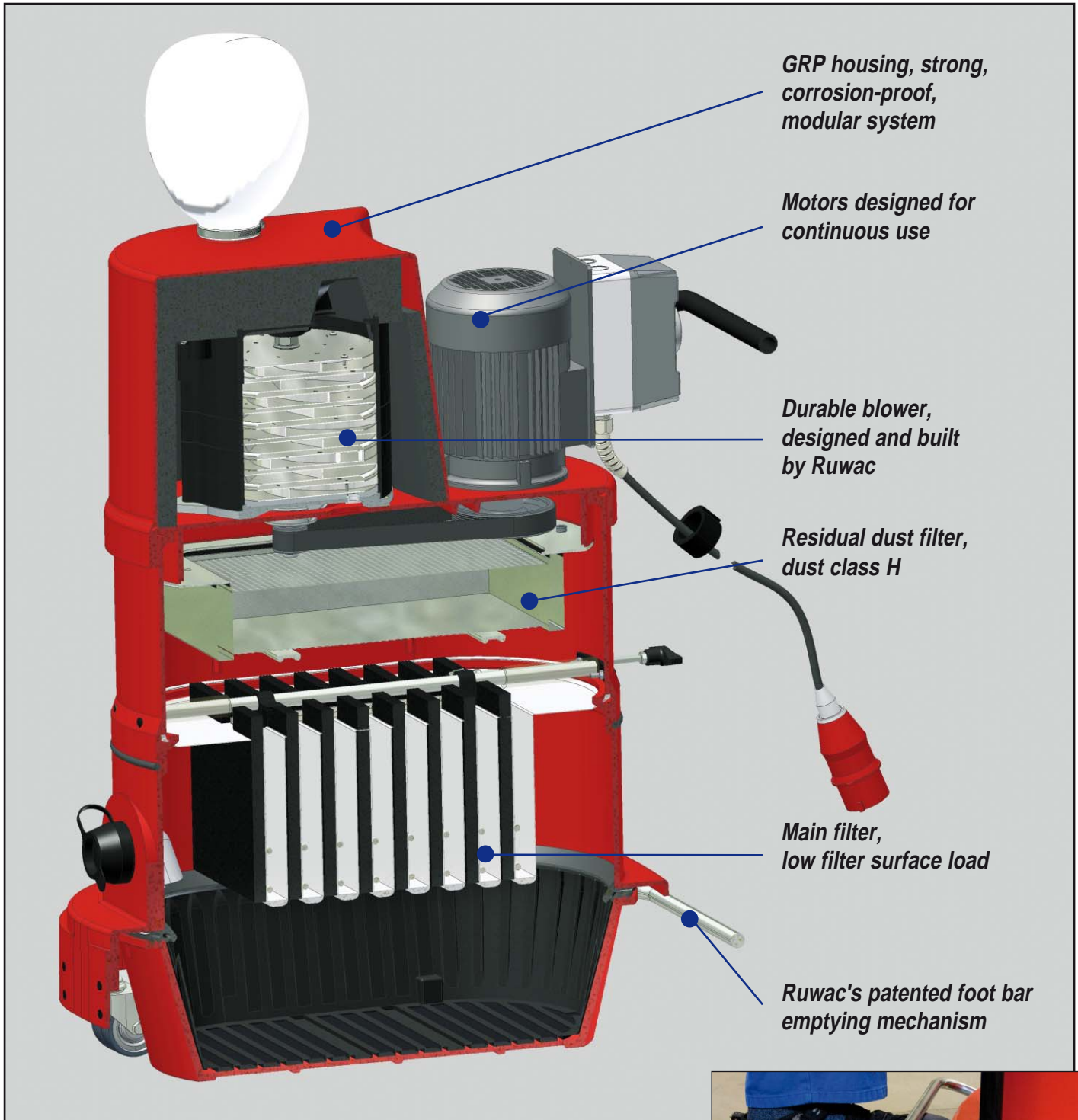


DS 1150 H with activated carbon for laser etching



DS 1150 explosive dust, zone 22, with floor vacuuming device

# Why it's the best...



## Choice of collection systems



# Technical data

	DS 1150	DSZ 1150	DS 1151	DS 1220	DSZ 1220	DS 1221	DS 1220 FS	DS 1400	DSZ 1400	DS 1401	DS 1750	DSZ 1750
Motor power (kW)	1,5	1,5	1,5	2,2	2,2	2,2	2,2	4,0	4,0	4,0	7,5	7,5
Voltage (V)	400	400	400	400	400	400	400	400	400	400	400	400
Vacuum (mbar)	180	180	180	206	206	206	125	213	213	213	330	330
Air flow rate (m³/h)	260	260	260	270	270	270	300	410	410	410	490	490
Sound pressure (dB(A))*1)	64	64	56	70	70	59	70	70	70	62	74	74
Main filter L, M (1.0 m²)	-	x	-	-	x	-	-	-	x	-	-	x
Main filter L, M (1.2/2,6 m²)	x	-	x	x	-	x	2,6	x	-	x	x	-
Additional filter H (3.76 m²)	x	x	x	x	x	x	x	x	x	x	x	x
Height 1.0 m² (L, M) mm	-	870	-	-	870	-	-	-	870	-	-	970
Height 1.2 m² (L, M) mm	870	-	1.194	870	-	1.194	-	870	-	1.194	900	-
Height 2.6 m² (L, M) mm	1.210	1.210	1.534	1.210	1.210	1.534	1.210	1.210	1.675	1.675	1.755	1.755
Height 1.0 m² (H) mm	-	1,040	-	-	1,040	-	-	-	1,040	-	-	1,140
Height 1.2 m² (H) mm	1,040	-	1,384	1,040	-	1,384	-	1,040	1,040	1,384	-	-
Height 2.6 m² (H) mm	1,380	1,380	1,724	1,380	1,380	1,724	1,380	1,380	1,380	1,855	1,955	1,955
Width (mm)	520	520	520	520	520	520	520	520	520	520	520	520
Length (mm)	850	850	850	850	850	850	850	850	850	850	850	850
Weight 1.0 m² (L/M) kg	-	64	-	-	68	-	-	-	79	-	-	115
Weight 1.2 m² (L/M) kg	62	-	90	65	-	94	-	75	-	107	94	-
Weight 2.6 m² (L/M) kg	73	-	101	76	-	105	76	86	-	118	104	-
Weight 1.0 m² (H) kg	-	74	-	-	78	-	-	-	89	-	-	125
Weight 1.2 m² (H) kg	72	-	100	75	-	104	-	85	-	117	103	-
Weight 2.6 m² (H) kg	83	-	111	86	-	115	86	96	-	128	114	-
Filter load*2) 1.0 m²	-	260	-	-	270	-	-	-	410	-	-	490
Filter load*2) 1.2 m²	216	216	216	225	225	225	-	342	342	342	408	-
Filter load*2) 2.6 m²	100	100	100	104	104	104	115	158	158	158	188	188

Available in:

Explosion-protected*3)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dust class	L,M,H	L,M,H	L,M,H	L,M,H	L,M,H	M, H	L,M,H	L,M,H	L,M,H	L,M,H	L,M,H	L,M,H

\*1) The maximum sound pressure level specified was measured at a distance of 1 m and a height of +1 m under free field conditions at the maximum volume flow rate. Measured on both sides of the machine. Test standard: DIN EN ISO 3744

\*2) Filter surface load (m³ x m² x h-1)

\*3) Vacuums are explosion-protected as per ATEX 94/9/EC



DIN EN 60335-2-69, Anh. CC



ATEX 94/9/EG



DIN EN 60335-2-69, Anh. AA



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