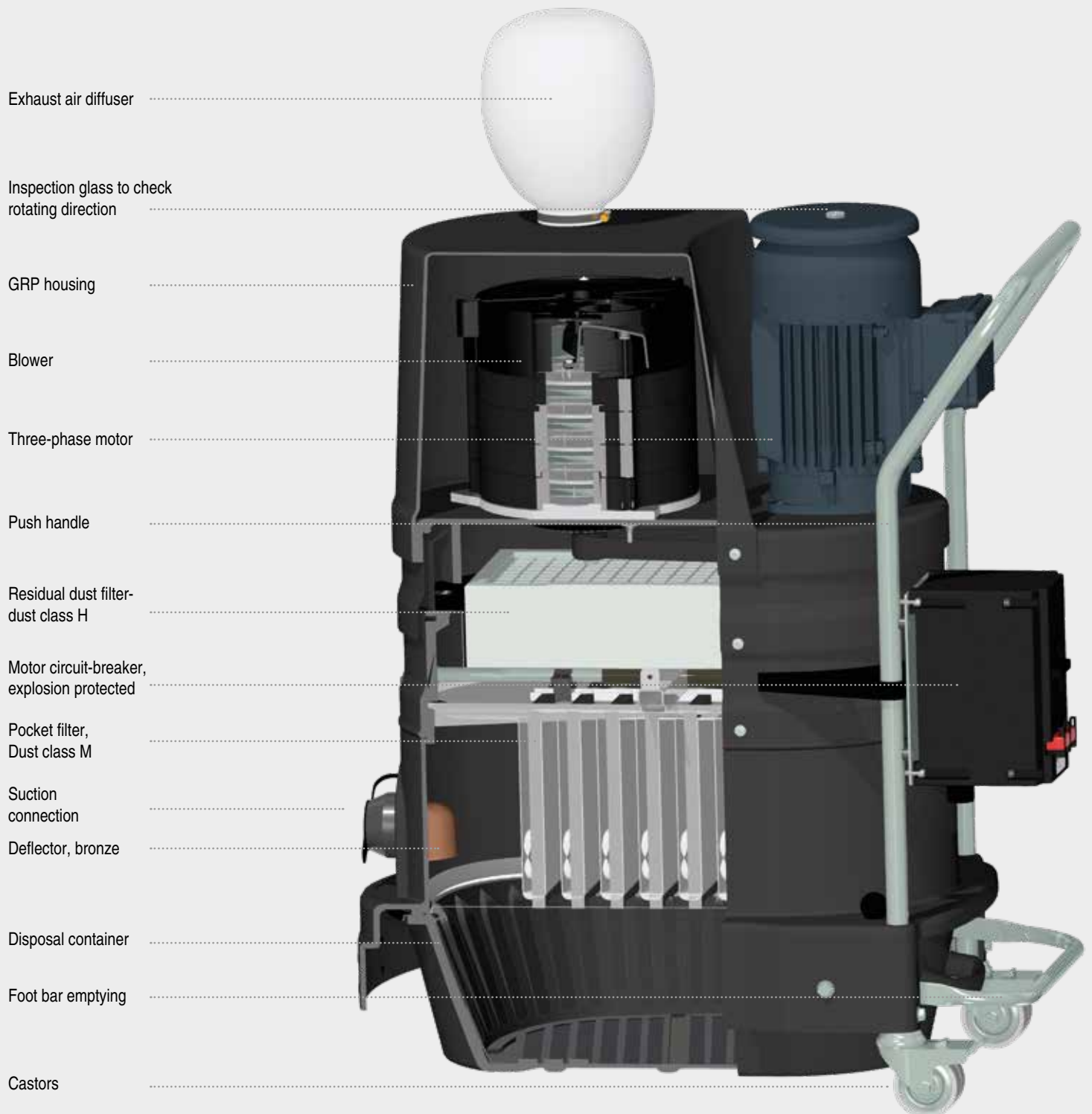


Industrial Vacuum Cleaners for gas explosion hazardous areas



Industrial vacuum with gas explosion protected equipment



Deduster with gas explosion protected equipment

Motor with direct drive
(centrifugal fan)

Residual dust filter,
dust class H

Manometer

Motor protection
switch

Manual cleaning

Pocket filter,
Dust class M

Suction connection

Stainless steel
housing

Grounding cable
with clamp

Disposal container



Our competency



We manufacture industrial vacuum systems powered electrically and by compressed air with matching accessories according to the ATEX Directive 2014/34/EU and the requirements of TRGS 727 for the following areas of application:

- Depending on the version, use in potentially explosive atmospheres in zones 1, 2, 21 or 22 in accordance with ATEX 1999/92/EC
- All machines can be combined with pre-separators made of stainless steel, which can separate both solid and liquid combustible material
- Suitable for vacuuming combustible and non-combustible dusts
- Optionally for the collection of solvent-based substances with activated carbon module
- Optionally in dust class H design for the collection of carcinogenic, mutagenic or other highly hazardous dusts.

If the area of application changes, all industrial vacuum cleaners for gas-explosion hazardous areas can be adapted to the new requirements thanks to their modular design.

For example, the equipment can be upgraded to temperature class T5.

R01



R01



DS 6



R01

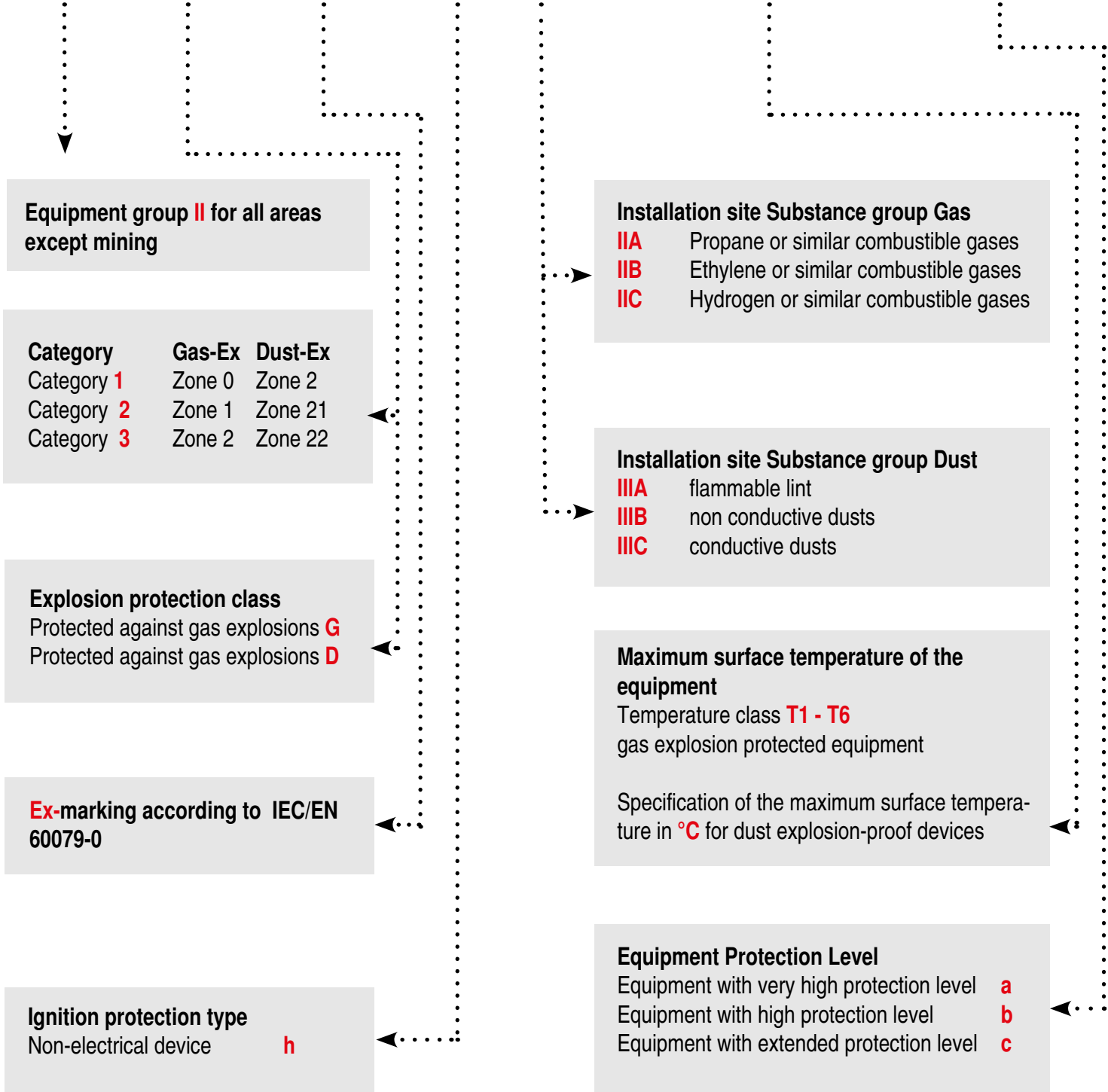


Ex-marking

according 2014/34/EU, IEC/EN 60079-0 and ISO 80079-36



II 2 G Ex h IIC T3 Gb
II 2 D Ex h IIIC T125°C Db



Technical data

	R01 025	R01 046	DS 2410	DS 2420	DS 2520	DS 2720	DS 64400	DS 64000
Housing	GRP	GRP	GRP	GRP	GRP	GRP	Stainless steel	
Motor power (kW)	2.5	4.6	4.6	4.6	5.5	7.5	3.0	4.0
Voltage (V)	400	400	400	400	400	400	400	400
Vacuum (mbar)	-206	-213	-230	-170	-230	-210	-37	-44.5
Air flow rate (m³/h) (measured with 3m hose)	300	440	440	540	650	880	2,370	2,900
Sound pressure level (dB(A)) (DIN EN ISO)	70	72	74	75	77	77	78	78
Pocket filter for dust class M (m²)	1.2/2.6	1.2/2.6	4.5	4.5	4.5	4.5	10/20	10/20
Cartridge filter for dust class M (m²)	–	–	–	–	–	–	24	24
Residual dust filter for dust class H (m²)	3,2	3,2	4,8	4,8	4,8	4,8	36	36
Width (mm)	520	522	736	740	820	820	660	660
Length (mm)	850	850	938	950	1,003	1,003	965	954
Protection class (IP)	65	65	65	65	65	65	65	65
Capacity (liters)	35	35	90	90	90	90	55	55
Suction connection (mm)	50	70	70	70	70	100	200	200



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The Industrial Vacuum Cleaners are available in explosion protected version in accordance with ATEX 2014/34/EU.

