



ROM SmartCombi

COMBINED HIGH PRESSURE/VACUUM UNIT

Compact and lightweight with maximum reliability. This characterises our range of SmartCombi's. Add to this the remarkably attractive price and you have made the right choice. With our range of SmartCombi's clients benefit from trusted ROM high pressure technology, combined with many years of experience in the field of vacuum tankers and sewer jetting equipment. Our SmartCombi's allow you to suction grease traps, septic tanks, gullies and flooded cellars, and the high pressure jetter is suitable for unblocking and cleaning house connections and main sewer system lines. Perfect for Local Authorities, sewer cleaning specialists and drainage contractors.





ROM SmartCombi FEATURES

LIGHTWEIGHT

Thanks to a low weight (from only 800kg) you are left with maximal loading capacity. Thus, you can take on more fresh water and sludge.

COMPACT

Because of the compact design, our SmartCombis are particularly suitable for city centres and car parks (optional: vehicle lowering) and other locations that are difficult to access.

RELIABLE

The robust construction ensures a prolonged durability. For instance, the tank is fully galvanised inside and out. The steady motor/ pump combinations (Kubota engines and SPECK high pressure pumps) offer you a lasting solution.

COST SAVING

Our units are sharply priced and suitable for mounting onto a twin axle trailer, open body truck or lightweight chassis, requiring only a modest investment. And of major importance, the compact and lightweight combination offers a considerable fuel saving every day.

MANY OPTIONS

Within the concept, you can have your SmartCombi executed completely according to you personal wishes. Depending on the cleaning capacity desired (max. 200 bar) and the flushing capacity (max. 100 l/min) you choose your ideal configuration. Besides this, you can choose from a variety of powerful diesel engines and PTO options. The vacuum system can be furnished with a conventional vacuum pump or our advanced thrust jetter system.

USER FRIENDLY SIMPLICITY

The unit combines trusted technology with user friendly simplicity. You will be amazed how easy it is to operate the SmartCombi and because of this, you and your employees will be even more productive.

SAFETY

The unit has a CE-safety mark, which guarantees that the machine complies with the latest European safety regulations, environment and user health, such as over pressure and under pressure safety valves, emergency stop, double ball valves (prevents over suctioning) and a moisture separator, including a second ball valve which protects the vacuum pump by separating moisture from the air during suction.

**SmartCombi
a smart
investment**

**LOW
INVESTMENT
MAXIMUM
PROFIT**



Competitively priced combi unit



Competitively priced chassis



Low depreciation costs



Low fuel consumption



More profit

YOU CAN CHOOSE BETWEEN...

Within our SmartCombi-Line you can choose between the SmartCombi (appropriate for 3,5 tot 4,6 ton chassis) and the SmartCombi PRO (appropriate for 6 ton, 7,5 ton and 10 ton chassis). The compact and lightweight SmartCombi is equipped with a diesel engine and is available in various configurations with a maximal cleaning pressure of 200 bar and a flushing capacity of a maximum 75l/min. The SmartCombi PRO, the Smart Combi's 'big brother', offers more flushing and cleaning capacity, with many extras available in both PTO drive and diesel versions. Depending on your application, you can choose the ideal configuration.

SmartCombi



- Appropriate for mounting onto twin axle trailer, open body truck or lightweight chassis of 3,5 - 4,6 ton
- Low-noise KUBOTA diesel engines
- Available in various configurations, maximum cleaning pressure 200 bar and water capacity of 75 litres per minute
- Available as vacuum pump or thrust jetter model; max. 6500 l/min (-0,75 bar)
- Lightweight: from only 800 kg.
- Several tank capacities fresh and waste water; 1500 litres in total
- Driver's licence B is possible (depending on total weight of vehicle and its load)

CHASSIS (3,5-4,6 ton)

- Renault Maxity
- Nissan Cabstar
- Ford Transit
- Toyota Dyna
- Etc.

SmartCombi PRO



- Appropriate for chassis of 6 - 7,5 and 10 ton chassis
- Available in PTO drive or diesel power output's
- Choose from various configuration: 200 bar / 72 litres per minute & 150 bar / 100 liter per minute
- Optional vacuum pump or thrust jetter models; max. 7500 l/min (-0,75 bar)
- Lightweight: from only 1290 kg
- Larger tank capacities fresh and waste water; 3000 litres in total
- As standard fitted with a 270° rotating hydraulically driven HP reel, mounted to the rear door

CHASSIS (6-7.5 and 10 ton)

- Iveco Daily 70C21
- Isuzu NPR75
- Mitsubishi Fuso 7C18
- Avia D75
- Etc.

ROM SmartCombi

The ROM SmartCombi is Europe's most compact, lightweight and sharply priced combination tanker. The combined high pressure vacuum system can easily be mounted on a 3,5 and 4,6 ton chassis, or twin axle trailer or open truck body. The design is highly compact and manoeuvrable and particularly suitable for city centres with narrow streets and car parks. The unit is designed especially for suction and jetting activities. It is perfectly suitable for the unblocking/cleaning of house connections and sewers of up to $\text{\textcircled{R}}^{\text{TM}}$ 500mm and the draining flooded cellars and grease traps.

The SmartCombi is equipped with a world renowned, low-noise Kubota diesel engine and a Speck high pressure pump. The vacuum system can be executed with a unique thrust jetter or vacuum pump with a maximum cleaning pressure of 200 bar and maximum water capacity of 75l/min. You can choose from various tank capacities for clean / waste water (1500 litres in total). The unit is very compact and lightweight allowing you to be able to drive it with a driver's licence B (depending on total weight of the vehicle and its load).



THE IDEAL COST SAVER

Sharply priced sewer jetting unit. Appropriate for mounting on lightweight chassis, twin axle trailers or open truck body, which only requires a small investment. Save fuel consumption!

OPTIONS

- Mounting on chassis in Barneveld Holland, including necessary mounting brackets, sidelights and wheel covers. (Consult Milner Industrial)
- Mounting on flatbed or trailer in Barneveld Holland (SmartCombi)
- Mounting kits for a.o. Renault Maxity / Nissan Cabstar / Iveco Daily / Fiat Ducato
- Mounting consoles, set of 8 items
- Lowering vehicle cabin and modifying suspension for a.o. Renault Maxity / Nissan Cabstar / Mitsubishi Fuso Canter 6S15 (to \geq approx. 1.85m.)
- Lockable design cover engine/pump compartment, carmine red (RAL 3002)
- Electrical radio remote control Professional-Remote, 7-channel model with pressure on/off, infinite speed control, emergency stop and battery charger
- Working light on magnetic bracket
- Rotating beacon on pole
- Traffic Safety Package ROM SmartCombi
- Manually operated water filling hose reel with 50m. 3/4" filling hose
- Hydraulic drive for HP reel. Incl. extensive operation (e.g. neutral position and speed control) and extendable hose guiding system fitted with ball bearings
- Manually operated 2nd HP reel with 3-way valve/unloader combined system. Excluding HP hose
- Dry run protection for HP pump
- Dry run protection for HP pump in combination with hydraulically driven reel.
- Fixed venturi type injector including 10m. hose and filter
- Pulsation system, manually operated
- Hour counter
- 40m. 3/8" HP steelply hose, incl. ROM jetting nozzle 32 (front) and grenade 42
- 40m. 3/8" HP steelply hose, incl. quick-release valve on the hose and quick-release turnbuckle for the spray lance
- 80m. instead of 50m. 1/2" HP sewer jetting hose
- Frost Protection System
- Additional thrust jetter to quickly empty vacuum tank (not possible on SmartCombi V-types)
- Linking system for the vacuum water tank onto the fresh water system
- Stainless steel discharge plate
- Aluminium storage tray (side mounted)
- 4 instead of 2 suction hoses 3" (ND80), with couplings, 2.4m
- Lockable tool storage cabinet (side mounted)
- Protection mat for inside the toolbox
- Cyclist protection bars (prescribed by law)
- Manually operated reel for suction hose, mounted to sewage tank, excl. vacuum hose
- 18m. vacuum hose 2", suction pipe with ball valve (in combination with option 0654)
- Additional 2" suction connection with 18,3m. 2" vacuum hose and suction tube with valve. Incl. 2 hooks on side storage tank
- Drain pipe for discharging water from waste water tank
- Tank sprayed in company colour (RAL)
- Spraygun with lance 90cm. and flatspray nozzle
- Nozzle storage rack mounted on installation
- RDW vehicle approval test
- Nozzle case ROM JetToolcase (Hose ND13 & ND16 with 1/2" connection)



Electrical radio remote control
Professional-Remote, 7-channels



Lockable design engine / pump
compartment cover



Rotating beacon on pole



Manually operated water filling
hose reel including
50m. 3/4" filling hose



Hydraulic drive for HP reel with
extendable hose guiding system
fitted with ball bearings



Pulsation system



Tool storage cabinet
(lockable)



Vacuum hose reel

The ROM SmartCombi is available in the following configurations

Article number	0301020	0301030	0301040	0301050	0301060	0301070	0301080
Name	ROM SmartCombi S-140/60*	ROM SmartCombi V-140/60*	ROM SmartCombi S-200/60*	ROM SmartCombi V-200/60*	ROM SmartCombi S-150/75*	ROM SmartCombi V-150/75*	ROM SmartCombi V-200/72*
Colour	Reel frame & control panel powder coated in high gloss RAL 3002 (carmine red) Reels powder coated in high gloss RAL 9005 (jet black)						
Drive	19kW / 26hp KUBOTA Diesel engine		23,5kW / 32hp KUBOTA Diesel engine	33kW / 45hp KUBOTA Diesel engine	23,5kW / 32hp KUBOTA Diesel engine		33kW / 45hp KUBOTA Diesel engine
Start System	Electric start system						
Pump	Speck 140 bar - 60l/min		Speck 200 bar - 60l/min		Speck 150 bar - 75l/min		Speck 200 bar - 72l/min
Vacuum system	Thrust jetter, 4200 l/min (-0.75 bar)	Vacuum pump, 3600 l/min (-0.75 bar)	Thrust jetter, 6500 l/min (-0.75 bar)	Vacuum pump, 4100 l/min (-0.75 bar)	Thrust jetter, 6500 l/min (-0.75 bar)	Vacuum pump, 4100 l/min (-0.75 bar)	Vacuum pump, 4100 l/min (-0.75 bar)
Tank capacity	1.000/500 ór 900/600 ór 800/700 litres (waste-/ fresh water)						
Empty weight standard configuration	Approx. 800kg	Approx. 920kg	Approx. 860kg	Approx. 990kg	Approx. 860kg	Approx. 990kg	Approx. 990kg
Dimensions (l x b x h)	Mounting length (advised loading platform length) 2.75m // Overall length max. 3.15m Width = 1.300mm / Height = 1.350mm (Depending on the chassis chosen = H + H chassis < 2.00m)						
HP reel drive	Manual (hydraulic = optional)						
HP sewer jetting hose	50m 1/2" (ND13)						
Vacuum hoses	3" (ND80) x 2,4m (2 x)						

* Want to know more about the benefits of the thrust jetters and vacuum pump versions? Consult the technical specifications or contact us.

ROM SmartCombi PRO

INCLUDING 270°
HYDRAULICALLY
DRIVEN HIGH
PRESSURE REEL

The ROM SmartCombi PRO, the SmartCombi's 'big brother', offers extra vacuum power and more flushing and cleaning capacity. Many other extras are available and in various PTO and independent diesel versions. The combined high pressure / vacuum unit is suitable for vehicles from 6 to 7,5 ton and 10 ton. The durable design is extremely compact and manoeuvrable and therefore your ideal partner for use in city centres and other locations that are difficult to access.

The ROM SmartCombi PRO is available in the configurations 200 bar / 72 litres or 150 bar / 100 litres. The SmartCombi PRO's vacuum system can be executed with a thrust jetter or a vacuum pump. The SmartCombi PRO comes equipped with many extras, including a 270° rotating hydraulically driven HP reel, mounted onto a swivelling frame. You can choose from multiple tank capacities for fresh / waste water (3000 litres in total). Perfect for e.g. the unblocking and cleaning of domestic connections and main sewers up to 600mm as well as draining of flooded cellars and grease traps.



The SmartCombi PRO comes as standard with:

- Mounting on chassis in Barneveld Holland,
- Mounting kits
- Mounting consoles, set of 8 items
- Locking engine/pump compartment covers
- Electrical radio remote control, 7 or 11 channels
- Working light on magnetic bracket
- Rotating beacon
- Traffic Safety Package
- Manually operated water filling hose reel with 50m. 3/4" filling hose
- Manually operated 2nd HP reel excl. HP hose
- Dry run protection for HP pump in combination with hydraulically driven reel.
- Fixed venturi type injector including 10m. hose and filter.
- Hour counter
- RPM counter
- 40m. 3/8" HP steel ply hose, incl. ROM jetting nozzle 32 and grenade 42.
- 40m. 3/8" HP steel ply hose, incl. quick-release valve on the hose and quick-release turnbuckle for the spray lance
- 100m. instead of 80m. 1/2" HP sewer cleaning hose
- 120m. instead of 80m. 1/2" HP sewer cleaning hose
- 90m. instead of 80m. 5/8" HP sewer cleaning hose
- Frost Protection System
- Additional thrust jetter to quickly empty vacuum tank (not possible on SmartCombi V-types)
- Linking system for the vacuum water tank onto the fresh water system
- Stainless steel discharge plate
- Aluminium storage tray (side mounted)
- 4 instead of 2 suction hoses 3" (ND80), with couplings, 3,2m
- Lockable tool storage cabinet (side mounted)
- Protection mat for inside the toolbox
- Cyclist protection bars (prescribed by law)
- Manually operated reel for suction hose, mounted to sewage tank, excl. vacuum hose
- 18m. vacuum hose 2", suction pipe with ball valve (i.c.m. optie 0654)
- Additional 2" suction connection with 18,3m. 2" vacuum hose and suction tube with valve. Incl. 2 hooks on side storage tank.
- Drain pipe for discharging water from waste water tank
- Tank sprayed in company colour (RAL)
- Spray gun with lance 90cm. and flat spray nozzle
- Nozzle storage rack mounted on installation
- RDW vehicle approval test
- Nozzle case ROM JetToolcase (Hose ND13 & ND16 with 1/2" connection)



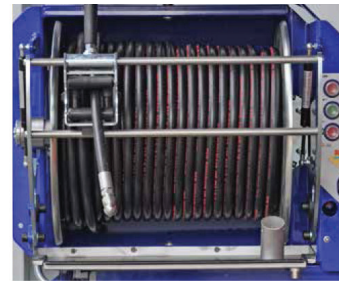
270° rotating hydraulically driven HP reel, mounted on swiveling frame



Extendable hose guiding system with bearing



Larger tank capacities fresh and sludge water; 3000 litres in total



80m HP sewer cleaning hose



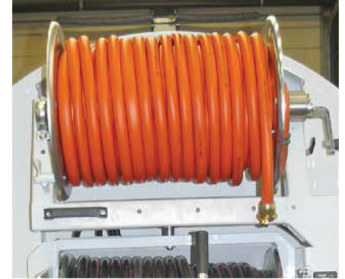
Electrical radio remote control Professional-Remote, 7 or 11 channels



Lockable design engine / pump compartment cover, (standard carmine red RAL 3002)



Drain pipe for draining water from the waste water tank



Manually operated water filling hose reel including 50m. 3/4" filling hose



Hour counter



Pulsation system



Linking system for the waste water tank on to the fresh water system



Vacuum hose reel

The ROM SmartCombi PRO is available in the following configurations

Article number	0302020	0302030	0302040	0302050	0302060	0302070	0302080	0302090
Name	ROM SmartCombi PRO S-200/72 PTO*	ROM SmartCombi PRO V-200/72 PTO*	ROM SmartCombi PRO S-150/100 PTO*	ROM SmartCombi PRO V-150/100 PTO*	ROM SmartCombi PRO S-200/72 Diesel*	ROM SmartCombi PRO V-200/72 Diesel*	ROM SmartCombi PRO S-150/100 Diesel*	ROM SmartCombi PRO V-150/100 Diesel*
Colour	Reel frame & control panel powder coated in high gloss RAL 3002 (carmine red) Reels: Electrolytically zinc coated							
Drive	PTO				33kW / 45pk Kubota Diesel engine			
Start System	Electric start system							
Pump	Speck 200 bar - 72l/min		Speck 150 bar - 100l/min		Speck 200 bar - 72l/min		Speck 150 bar - 100l/min	
Vacuum system	Thrust jetter, 7500 l/min (-0.75 bar)	Vacuum pump, 6150 l/min (-0.75 bar)	Thrust jetter, 7300 l/min (-0.75 bar)	Vacuum pump, 6150 l/min (-0.75 bar)	Thrust jetter, 7500 l/min (-0.75 bar)	Vacuum pump, 6150 l/min (-0.75 bar)	Thrust jetter, 7300 l/min (-0.75 bar)	Vacuum pump, 6150 l/min (-0.75 bar)
Tank capacity	2.000/1.000, 1.800/1.200 or 1.600/1.400 litres (waste / fresh water)							
Empty weight standard configuration	Approx. 1290kg	Approx. 1.450kg	Approx. 1.290kg	Approx. 1.450kg	Approx. 1.325kg	Approx. 1.485kg	Approx. 1.325kg	Approx. 1.485kg
Dimensions (l x b x h)	Mounting length (advised loading platform length) 3.45m // Overall length max. 3.75m Width = 1.600mm / Height = 1.650mm							
HP reel drive	270° rotating hydraulically driven HP reel, mounted on swiveling frame (with extendable hose guiding system)							
HP sewer jetting hose	80m 1/2" (ND13)		80m 5/8" (ND16)		80m 1/2" (ND13)		80m 5/8" (ND16)	
Vacuum hoses	3" (ND80) x 3,2m (2 x)							

* Want to know more about the benefits of the thrust jetters and vacuum pump versions? Consult the technical specifications or contact us.

STANDARD CONFIGURATION SmartCombi



Thrust jetter configuration



Vacuum pump configuration



Slanted bottom system;
fast and quick unloading and
cleaning of tank



Compact design; ideal for
locations that are difficult to
access



User friendly water-resistant
control panel
(ROM SmartCombi)



Control box at
engine/pump combination
(ROM SmartCombi PRO)



User friendly water-resistant
control panel
(ROM SmartCombi PRO)



Flexible and kink resistant
sewer cleaning hose with wear-
resisting, smooth exterior;
slides through bends easily



Integrated (forklift) tubes;
ideal for hose storage



Automatically closing water
filter with rinsable element



Combined oil separator /
silencer (Vacuum pump
version)



Moisture guard; for optimal
protection of the vacuum
pump (Vacuum pump version)



Pressure Regulator
(ROM SmartCombi)



Pressure Regulator
(ROM SmartCombi PRO)



Vacuum gauge



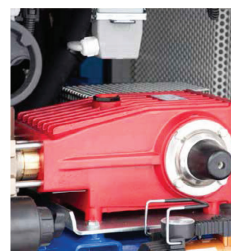
Manometer



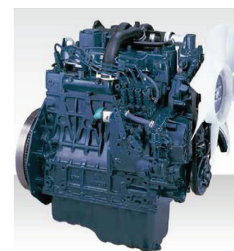
Level indication via sight
glasses in
tank body (sludge)



Discharge valve + Suction valve



Powerful low-maintenance
SPECK high pressure pump
with ceramic plungers



Powerful Kubota liquid cooled
diesel engine with temperature
control (diesel versions)