

Concrete Boy 380^H



The Concrete Boy 380^H is the only fine concrete pump able to handle material with a grain size of 32 mm in an ultra-compact unit, with a pump pressure of 70 bar and a delivery rate of 18 m³/h. Fine concrete pumps are especially useful on sites when space is at a premium or when only small volumes of sprayed concrete is needed.



Concrete is a mix of cement, aggregate (sand, gravel or ballast) and mixing water and can also contain other admixture and additives, with cement used as a binder to hold the other components together. The strength of the concrete is produced by the crystallisation of the cement that reaches its standard strength after 28 days under normal temperature and humidity conditions in accordance with DIN 1164. Fine concrete is characterised by a grain size of up to 32 mm.

Fine concrete pump trailers are small and lightweight with a powerful dual piston pump. These pumps are primarily used to pump self-levelling screed, fine concrete, inject mortar and spray concrete with a grain size of up to 32 mm.

The integral S-transfer tube with automatic sealing effect permits a pump pressure of up to 68 bar and is even tight when pumping slurries and water. The self-adjusting ring seals itself independently and thus automatically compensates for any wear and tear. The spectacle wear plate at the transition from the hopper to the delivery cylinder is made of tempered steel.

The flow-optimised design of the S-transfer tube also helps to reduce wear and tear.

The plastic hood conceals an oil-cooled 3-cylinder diesel engine. Its 34.5 kW provides adequate power to tackle even the most demanding jobs and also complies with current COM III exhaust gas regulations.

It does even more for the environment with a lower engine speed, as the Concrete Boy operates quietly, saves on diesel and is low-emission.



Its modern and dynamic design makes the Concrete Boy 380^H a real attention-grabbing piece of equipment on every building site.

- Modern, robust and easy-to-open plastic hood with stainless steel handle
- The hood opens simply at the press of a button and automatically lifts up thanks to the integral damper
- Clear, service-orientated arrangement of all components under the hood
- All of the controls are positioned centrally in a clearly laid out and user-friendly arrangement
- The hopper is simple to clean by tilting the attachment to one side and the additional emptying flap on its base
- Chassis with adjustable tow-bar coupling and support wheel make it easy to move around the site
- The cataphoretic finish on the bodywork guarantees long-lasting protection from corrosion
- Solid support feet provide excellent stability for your work; simply retract them for transport.



- An agitator is fitted on the hinged hopper safety grille that guarantees continuous material flow.
- The large hopper can hold 360 litres and is designed to pump until it is almost empty. The remaining material can then be simply and conveniently emptied out through the flap on the base when the hopper is cleaned.



Spraying concrete, handling self-levelling screed, pumping concrete – the new compact concrete pump trailer is a veritable all-rounder. This small, lightweight and high-performance fine concrete pump is ideal for pumping anhydrite, cement and self-levelling cement screed, as well as fine cement and is perfect for spraying concrete, injecting mortar and all other concreting work up to a grain size of 32 mm.

The Concrete Boy 380^H is particularly useful on sites when space is at a premium or if small volumes of spray concrete are needed. The material is simply fed from a concrete mixer truck into the pump's storage tank and then delivered to where it is needed.



When handling spray concrete, the specially mixed material is fed from the concrete mixer truck into the pump's storage tank and is then applied to the surface through special spray equipment. Depending on the strength and application thickness needed, an accelerator can be metered into the sprayer to shorten the curing time of the concrete.



When concreting, the concrete is delivered into the shuttering, compressed, levelled and then possibly re-treated. The concrete can be conveniently applied thanks to the modern technology of the S-transfer tube.

The Concrete Boy can either be fed from a stationary concrete plant or from concrete mixer trucks.



Fine concrete can be used to fill and inject geothermal boreholes, pile foundations or as backfilling for shuttering.

Fine concrete is delivered to wherever it is needed by means of a powerful pump and is then filled or compressed into cavities under pressure by means of a special lance.

Standard equipment

- Diesel or electric hydraulic drive under a plastic engine hood
- Concrete hopper with agitator and hinged rubber collar attachment
- 30 mm safety grille with 12 V vibrator
- Flow-optimised hopper with automatic sealing ring, collar attachment and vibrator, hinged
- Hydraulic control of pump and S-tube
- Manually adjustable 0-100% engine output and delivery volume
- External pump pressure adjustment to 40 or 70 bar
- Central lubrication rail on the hopper
- Flow-optimised S-tube for the drastic reduction of wear and tear
- Water tank for plunger cooling and piston flushing of the drive and delivery cylinders
- T-chassis with replaceable tow-bar coupling and support wheel
- Centrally positioned lifting eyes

Optional additional equipment:

- Flushing water pump
- High-pressure cleaner 140 bar
- Radio remote control (cable and wireless)
- Central lubrication system
- Working light



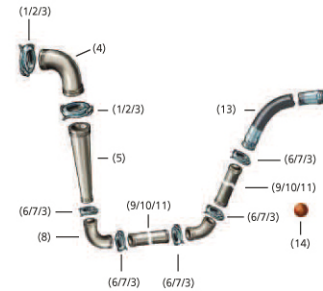
A vibrator is fitted to the foldable hopper safety grille to ensure continuous material flow. The large hopper is designed to pump until almost empty. Any remaining material can be simply emptied through the flap on the base.

Accessories for Concrete Boy 350^H

Item number Description

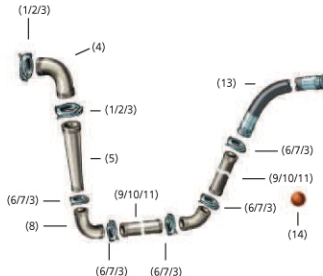
Standard delivery line, 100 m for concrete, mortar, liquid screed SK 50, 60 bar, grain size < 8 mm consisting of:

431 613	(1)	2x	Sleeve coupling SK 4,5"
057 341 000	(2)	2x	Seal 4,5"
018 878 004	(3)	47x	Safety split pins
421 329	(4)	1x	Delivery pipe elbow 4,5", 90°
238 508 002	(5)	1x	Reduction pipe 100/50-4,5"/3,5", 1500 mm
417 798	(6)	45x	Sleeve coupling 3"
064 084 004	(7)	45x	Seal 3"
081 777 006	(8)	4x	Delivery pipe elbow 3", 90°
081 783 003	(9)	2x	Delivery pipe 3", 1000 mm
081 784 002	(10)	4x	Delivery pipe 3", 2000 mm
081 785 001	(11)	30x	Delivery pipe 3", 3000 mm
081 779 004	(12)	4x	Delivery pipe elbows 3", 45°
481 169	(13)	4x	Delivery hose 3", NW 50, 2000 mm
000 212 005	(14)	6x	Sponge balls Ø 60 mm



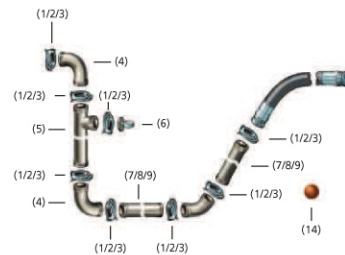
Standard delivery line, 100 m for concrete, mortar, liquid screed SK 65, 85 bar, grain size < 8 mm consisting of:

431 613	(1)	2x	Sleeve coupling SK 4,5"
057 341 000	(2)	2x	Seal 4,5"
018 878 004	(3)	46x	Safety split pins
421 329	(4)	1x	Delivery pipe elbow 4,5", 90°
224 269 009	(5)	1x	Reduction pipe 100/65-4,5"/3,5", 1000 mm
417 798	(6)	44x	Sleeve coupling 3"
064 084 004	(7)	44x	Seal 3"
057 756 006	(8)	4x	Delivery pipe elbow 3", 90°
057 727 006	(9)	2x	Delivery pipe 3", 1000 mm
057 728 005	(10)	4x	Delivery pipe 3", 2000 mm
057 729 004	(11)	29x	Delivery pipe 3", 3000 mm
057 758 004	(12)	4x	Delivery pipe elbow 3", 45°
057 886 002	(13)	1x	Delivery hose 3", NW 65, 5000 mm
000 246 000	(14)	6x	Sponge balls Ø 65 mm



Standard delivery line, 100 m for concrete, mortar, liquid screed SK 100/4,5", 85 bar, grain size < 16 mm consisting of:

431 613	(1)	48x	Sleeve coupling SK 4,5"
057 341 000	(2)	48x	Seal 4,5"
018 878 004	(3)	48x	Safety split pins
421 329	(4)	4x	Delivery pipe elbow 4,5", 90°
057 614 009	(5)	1x	T-Delivery pipe 1000 mm
057 621 005	(6)	1x	Pressure gauge
056 863 000	(7)	30x	Delivery pipe 4,5", 3000 mm
056 862 001	(8)	4x	Delivery pipe 4,5", 2000 mm
056 861 002	(9)	2x	Delivery pipe 4,5", 1000 mm
057 593 007	(10)	4x	Delivery pipe elbow 4,5", 45°
057 607 003	(11)	1x	Delivery hose, 2850 mm
016 091 003	(12)	6x	Sponge balls Ø 100 mm



Accessories for Concrete Boy 350^H

Item number Description

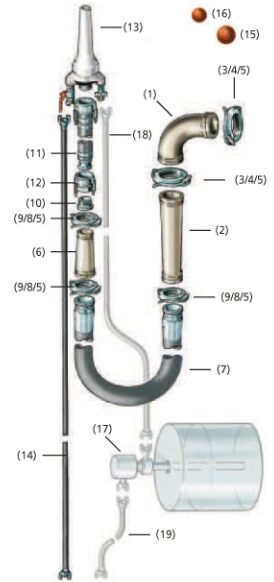
Concrete spray line, SK 65 / PM 50/3 max. 40 bar, grain size < 8 mm

Standard spray line, 45 m long consisting of:

421 329	(1)	1x	Delivery pipe elbow SK 100/4.5", 90°
224 269 009	(2)	1x	Reduction pipe SK 100/4.5" - SK 65/3" 1,000 m
431 613	(3)	2x	Sleeve couplings SK 4.5"
057 341 000	(4)	2x	Seal DN 100, 4.5"
018 878 004	(5)	13x	Safety split pins
058 670 000	(6)	1x	Reduction pipe SK 65/3" - SK 50/3" 1000 m
057 886 002	(7)	8x	Delivery hose SK 65/32, 5,000 mm
417 798	(8)	11x	Sleeve couplings SK 3"
064 084 004	(9)	11x	Seal DN 65/3"
082 784 001	(10)	1x	Transmission piece
207 617 005	(11)	1x	Delivery hose DN 50 TS PN 40 13 m
211 600 008	(12)	1x	Coupling M 50/2"
072 157 004	(13)	1x	Concrete spraying nozzle V 50, 30 mm
416 015	(14)	2x	Air hose 3/4", 20 m
000 246 000	(15)	6x	Sponge ball, Ø 65 mm
000 212 005	(16)	6x	Sponge ball, Ø 60 mm

Metering pump for accelerating admixture (silicate)

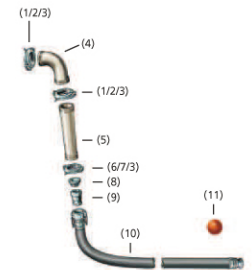
002 423 009	(17)	1x	Silicate metering pump with compressed air drive (barrel pump) with connector
001 983 003	(18)	2x	High-pressure hose 1/2", 20 m
416 015	(19)	1x	Air hose 3/4", 20 m



Delivery pipe for mortar, self levelling floor screed, PM 50, 40 bar, grain size < 8 mm

Standard delivery line, 80 m long consisting of:

431 613	(1)	2x	Sleeve couplings SK 4.5"
057 341 000	(2)	2x	Seal DN 100, 4.5"
018 878 004	(3)	3x	Safety split pins
421 329	(4)	1x	Delivery pipe elbow SK 100, 90°, 4.5"
238 508 002	(5)	1x	Reduction pipe, SK 100/4,5" - SK 65/3" 1,500 mm
417 798	(6)	1x	Sleeve coupling K 3"
064 084 004	(7)	1x	Seal DN 65, 3"
082 784 001	(8)	1x	Transmission piece SK 50 / RA 2"
205 273 001	(9)	1x	Coupling V50/RI 2"
207 617 005	(10)	6x	Delivery hose DN 50 40 bar, 13.3 m
000 212 005	(11)	6x	Sponge ball, Ø 50 mm



As an alternative to individual SK couplings and seals, you have the option of using SKD couplings with halved seals already integrated:

494 868	(12)	SKD 4.,5"
494 763	(13)	SKD 3"