

Black Tower – Injection

Dual pressure series for hydraulic injection for couplings

The Black Tower – Injection series is a heavy duty pump unit for extreme pressure and flow requirements.

Supplied as variants:

- Various electrical power supply
- Dual pressure up 3000/3000 bar
- Dual pressure up to 450/4000 bar

Ideal for oil injection into bigger couplings for heavy machine parts, e.g. propeller shafts, rudder stocks, etc. Both units have two separate oil injectors, allowing both floating pressure and back pressure at the same time.

Easy handling with wheels and retractable handle and precise operation with manually controlled valves.





Technical specifications:

The Black Tower - Injection series is designed to give both high pressure and high flow simultaneously.

Most often used for industrial or onsite assemblies where reliable operations are prioritized

It is built in a robust and optimized lifting frame with wheels and retractable handle for easy local transportation.

The Injection 3000 series has 2 independently adjustable pressure ranges, each between 0-3000 bar.

The Injection 4000 series has 2 independently adjustable pressure ranges, 1 between 0-4000 bar and 1 between 0-450 bar.

Black Tower - Injection: Technical features

Maximum Pressure	Electrical Voltage	Electrical frequency	Max Electrical current	Dimensions W x D x H	Weight no oil	Max. Flow low pressure	Usable Oil volume	Oil tank volumen
[bar]	[V]	[Hz]	[A]	[mm]	[Kg]	[L/min]	[L]	[L]
2 x 3000	3 x 400	50/60 Hz	6	466 x 333 x 785	65	6.9	5	7
	3 x 690		5.4					
1 x 4000 + 1 x 450	3 x 400	50/60 Hz	6	466 x 333 x 785	60	6.9	12	14
	3 x 690		5.4					

Highlighted features:

- Fast, precise and powerful
- Operational in a wide range of temperatures
- Low noise level
- Ideal for heavy duty purposes
- On wheels for easy handling
- Approved frame for safe lifting with retractable handle



The power pack can be configured to suit your requirements, and thereby optimize the scope of supply and consequently the price. Our configurator enables you to match:

- Design type of power pack
- Hydraulic pressure
- Electrical voltage and frequency
- Cable length
- Control input
- Type of pressure gauge – with or without 5 point pressure gauge calibration certificate

Find the latest updated configurator version at:
www.serman-tipsmark.dk
 – the one shown below is only an example.

High Pressure Power Pack Configurator

-----Item Description-----

PPT - 1500 - 120 - 0 - SC - 5

DESIGN - Type

Portable Powerpack - Tension	PPT
Black Tower - Tension	BTT
Black Tower - Injection	BTI

Pressure [BAR]

Single operation pressure variable up to 1500 bar (PPT and BTT only)	1500
Single operation pressure variable up to 2500 bar (PPT and BTT only)	2500
Dual operation pressure variable up to 1500 + 700 bar (PPT only)	1507
Dual operation pressure variable 2500 + 700 bar (PPT only)	2507
Dual operation pressure variable 3000 + 3000 bar (BTI only)	3030
Dual operation pressure variable 4000 + 450 bar (BTI only)	4004

Electrical voltage [V]

1 x 120 V AC (50-60 Hz) (PPT and BTT only)	120
1 x 230 V AC (50-60 Hz) (PPT and BTT only)	230
3 x 400 V AC (50-60 Hz) (BTT and BTI only)	400
3 x 690 V AC (50-60 Hz) (BTT and BTI only)	690

Cable length [m]

3	3 metres
5	5 metres (BTT and BTI only)
10	10 metres (BTT and BTI only)

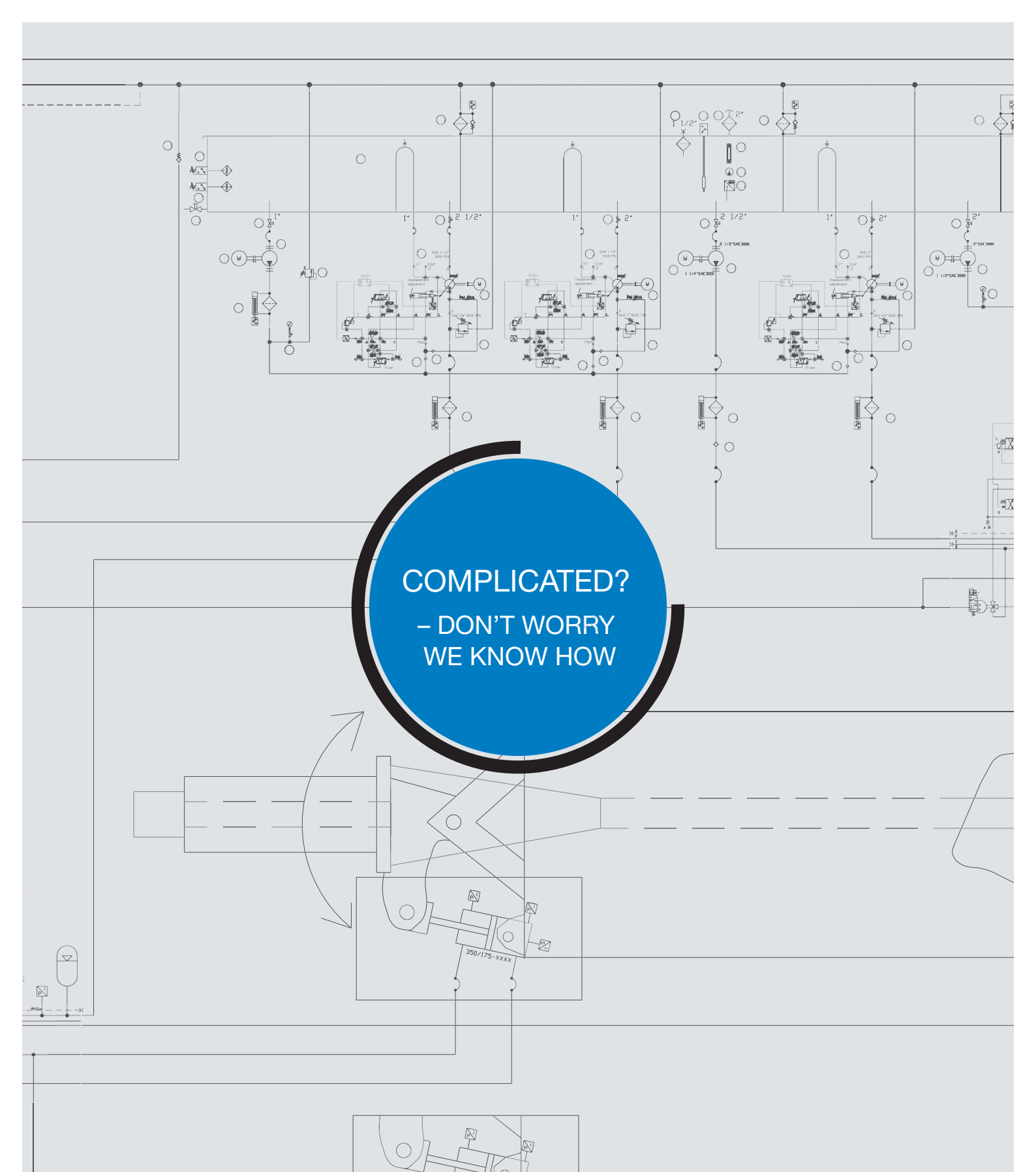
Pressure Gauge

S	Standard 1 % precision pressure Gauge
SC	Standard 1 % precision pressure Gauge - Calibrated with cert.
D	Digital pressure Gauge (incl. Pressure transmitter) (PPT only)
DC	Digital pressure Gauge - Calibrated with cert. (incl. Pressure transmitter) (PPT only)

Control input

0	No remote controller (BTI only)
1	Cabled remote controller
2	Cabled remote controller with LED (Pressure transmitter) (BTT only)
4	Wireless remote controller





COMPLICATED?
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