Test Benches &
Cleaning Machines
Reliable, clean and eco-friendly.

Universal
For all types of hoses and fittings.

Ecoline
Value driven solution for less frequent use.

Integrated Tank
Saves work space and is quiet.
Hose lines that cannot withstand the high pressure for which they are designed can cause serious damage, resulting in high costs - often higher than the price of a test bench. Why take a risk that can be easily avoided?

By testing the quality of your products, you opt for safety. The P 160 or P 160 Ecoline workshop test benches allow for the efficient and safe final inspection and testing of hose lines. They are easy to operate and quickly become part of your routine procedures.

Quality and safety

- Fully enclosed test chamber
- Also suitable for static pressure testing of various hydraulic components such as valves, hydraulic cylinders, housings, quick-release couplings, etc.
- Safety valve – when the hood is opened, all pressure is automatically released within 1/10 second
- Hood with gas springs and transparent Makrolon® safety pane
- Environmentally friendly test medium (water-oil emulsion)
- Easy and safe to operate
- Test bench can be retrofitted with extension element (P 160)
- Logging software/printer available as optional equipment (Control B+Touch) (P 160)
- Compressed air filter with condenser

Innovative technology for fast processing

- Parts to be tested (hose lines) can be inserted quickly by means of our Steck-O-System and without any time-consuming preparation or modifications to the tank
- Fast filling and automatic pressure release of tested parts

CE compliant

- Hood with gas springs and transparent Makrolon® safety pane

Package

P 160 Package/
P 160 Ecoline Package

Machine
- + Steck-O-Adapter metric 405.901
- + Steck-O-Adapter imperial 405.902
- + Anticorrosion additive EM CO - 18 kg

Standard

Accessories

Stack-O-System

4 Steck-O-Adapter 405.9.
<table>
<thead>
<tr>
<th>Technical data</th>
<th>P 160 Ecoline</th>
<th>P 160</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test pressure</td>
<td>150 - 1 300 bar</td>
<td>150 - 1 300 bar</td>
</tr>
<tr>
<td>Drive</td>
<td>Intensifier</td>
<td>Intensifier</td>
</tr>
<tr>
<td>Flow</td>
<td>1,1 L/min</td>
<td>1,1 L/min</td>
</tr>
<tr>
<td>Capacity</td>
<td>7 bar, 20 Nl/min</td>
<td>7 bar, 20 Nl/min</td>
</tr>
<tr>
<td>Tank dimensions</td>
<td>1 200 x 600 x 250 mm</td>
<td>1 590 x 795 x 370 mm</td>
</tr>
<tr>
<td>Test bench dimensions</td>
<td>1 400 x 600 x 1 200 mm</td>
<td>2 210 x 950 x 1 325 mm</td>
</tr>
<tr>
<td>Reservoir capacity</td>
<td>33 L</td>
<td>100 L</td>
</tr>
<tr>
<td>Colour</td>
<td>RAL 5012 Blue</td>
<td>RAL 5012 Blue, RAL 7021 Grey</td>
</tr>
<tr>
<td>Weight</td>
<td>120 kg empty</td>
<td>210 kg empty</td>
</tr>
<tr>
<td>Noise level</td>
<td>72 dBA</td>
<td>72 dBA</td>
</tr>
</tbody>
</table>

**Accessories**

| Suction filter      | ✓                      | ✓                  |
| Air preparation unit | ✓                      | ✓                  |
| Steck-O-Adapter (s-series only) | DN 4/6/8/10/12/ G 1/2" 405.901 | DN 4/6/8/10/12/ G 1/2" 405.901 |
| Anticorrosion additive | EM 10 l               | EM 10 l           |

**Options**

| Alternative drive only with pre filling pump 405.904/405.914 | - | 0.38 kW, 400V 50Hz 3Ph |
| High pressure* (Steck-O-System not available) | - | 150 - 3 000 bar |
| Low pressure* | - | 20 - 1 300 bar |

* Only one of the two options possible.

**Options**

- Control B + Touch (only for P 160)
- UPP Pressure Sensor for test benches
- The P 160 is also available in stainless steel
- UPP Protokoll

**Additional Information**

- Steck-O-System:
  - Clean, quick and reliable connection
  - Push-in system for easy assembly
  - Ample space in chamber
  - Adapter for fast connection

**Technical Data**

- P 160 Ecoline:
  - 407.3150: Total chamber length 3 600 mm
  - 407.3250: Total chamber length 4 400 mm

- The P 160 is also available in stainless steel

- UPP Pressure Sensor for test benches
The P 250 Test Bench with Control C.2 IPC is a new modular test bench that can be adapted to your needs. It offers the possibility to test with Steck-o, Hand or Hydraulic quick cone system. You can also install a Euro Pallet inside. The Chamber also accepts a non-end extension if you prefer to test a hose lengthwise. The controller offers all parameters for a fully automatic test, with visualization of the pressure and may other features but also connectivity to your server or other machine in line with industry 4.0.

**Quality and safety**
- Fully enclosed test chamber
- Also suitable for static pressure testing of various hydraulic components such as valves, hydraulic cylinders, housings, quick-release couplings, etc.
- Safety switch - when the hood is opened, all pressure is automatically released within 1/10 second
- Environmentally friendly test medium (water-oil emulsion)
- Easy and safe to operate
- Quick changeover between automated and manual setup mode
- Test bench can be retrofitted with extension element
- Up to 120 tests per hour for a max. length of 2 500 mm (DN 12-800 mm)

**Innovative documentation management**
- Time-saving product parameter memory
- Proper documentation and controlling
- Test reports printed on printer (optional)

**CE compliant**
- Hood with gas springs and transparent Makrolon® safety pane

**Package**

- **P 250**
  - Machine
  - + Steck-O-Adapter 414.1000
  - + Anticorrosion additive EM CO - 18 kg

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.
Technical Data

P 250

**Technical data**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test pressure</td>
<td>150 - 1 500 bar</td>
</tr>
<tr>
<td>Control</td>
<td>C.2 IPC</td>
</tr>
<tr>
<td>Drive</td>
<td>Intensifier</td>
</tr>
<tr>
<td>Flow rate (effectively)</td>
<td>7.5 L/min</td>
</tr>
<tr>
<td>Air supply</td>
<td>7 bar; 60 Nl/min</td>
</tr>
<tr>
<td>Tank dimensions</td>
<td>2 194 x 890 x 470 mm</td>
</tr>
<tr>
<td>Test bench dimensions</td>
<td>2 700 x 1 450 x 1 550 mm</td>
</tr>
<tr>
<td>Reservoir capacity</td>
<td>120 L</td>
</tr>
<tr>
<td>Loading</td>
<td>250 kg</td>
</tr>
<tr>
<td>Weight</td>
<td>570 kg</td>
</tr>
<tr>
<td>Noise level</td>
<td>75 dBA</td>
</tr>
<tr>
<td>Electrical connection</td>
<td>3 VAC</td>
</tr>
</tbody>
</table>

**Options**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>High pressure</td>
<td>150 - 3 000 bar</td>
</tr>
<tr>
<td>Low pressure</td>
<td>20 - 1 500 bar</td>
</tr>
<tr>
<td>Stainless steel tank</td>
<td>✓</td>
</tr>
<tr>
<td>Extended version on request</td>
<td>-</td>
</tr>
<tr>
<td>L x W x H (mm)</td>
<td>2 220 x 1 000 x 1 400</td>
</tr>
<tr>
<td>Weight</td>
<td>420 kg</td>
</tr>
</tbody>
</table>

**Fast clamping system:**

- 1 x Hand clamping cone up to 1500 bar: 414.1002
- 3 x Hand clamping cone up to 1500 bar: 414.1003
- 1 x Hand clamping cone up to 3000 bar: 414.1005
- 3 x Hand clamping cone up to 3000 bar: 414.1006
- 1 x Hydraulic clamping cone up to 1500 bar: 414.1003
- 3 x Hydraulic clamping cone up to 1500 bar: 414.1003
- 1 x Hydraulic clamping cone up to 3000 bar: 414.1004
- 3 x Hydraulic clamping cone up to 3000 bar: 414.1004

**Steck-O adapter and screw connection:**

- 1 x Steck-O up to 1500 bar: 414.1000
- 4 x Steck-O up to 1500 bar: 414.1012
- 1 x Screw connection up to 1500 bar: 414.1001
- 4 x Screw connection up to 1500 bar: 414.1011
- 1 x Screw connection up to 3000 bar: 414.1008
- 4 x Screw connection up to 3000 bar: 414.1013

**Tank Extension n°: 414.2100.0**

- Extension kit 1 x Steck-O: 414.1290
- Extension kit 1 x Screw connection up to 1500 bar: 414.1200
- Extension kit 1 x Hand clamping cone up to 1500 bar: 414.1202
- Extension kit 3 x Hand clamping cone up to 1500 bar: 414.1232
- Extension kit 1 x Hand clamping cone up to 3000 bar: 414.1205
- Extension kit 3 x Hand clamping cone up to 3000 bar: 414.1235
- Extension kit 1 x Hydraulic clamping cone up to 1500 bar: 414.1203
- Extension kit 3 x Hydraulic clamping cone up to 1500 bar: 414.1233
- Extension kit 1 x Hydraulic clamping cone up to 3000 bar: 414.1204
- Extension kit 3 x Hydraulic clamping cone up to 3000 bar: 414.1234
With the P 300, you can perform precision tests of hoses of up to 2,500 mm in length and with pressures up to 1,000 bar. Test up to 120 hoses per hour, making use of 4 parallel test lines and our quick-clamping system. You can choose between automated and manual setup mode. Our P 350 test bench unifies our years of experience with your advanced requirements for special hose equipment. The extra-large test chamber gives you the space you need for your challenge. Pallets with hoses as well as large, heavy hose coils can be easily supplied to the chamber by forklift. Hose samples are connected easily with adapter hose and quick connection to pressure ports.
### Technical Data

#### P 300

- **Test pressure**: 150 - 1,000 bar
- **Control**: C.2 IPC
- **Drive**: Diaphragm pump + Intensifier
- **Flow rate (effectively)**: 5 L/min
- **Tank dimensions open/closed**: 3,750 x 2,400 x 870 mm / 3,750 x 1,450 x 870 mm
- **Aggregate dimensions**: 830 x 740 x 1,340 mm
- **Reservoir capacity**: 120 L
- **Colour**: RAL 5012 Blue
- **Weight of tank (empty)**: 1,000 kg
- **Noise level**: 75 dBA
- **Max. hose length**: up to 2,500 mm
- **Test medium**: Water-oil emulsion EM C0-18 kg

#### P 350

- **Test pressure**: 150 - 1,000 bar
- **Control**: C.2 IPC
- **Drive**: Diaphragm pump + Intensifier
- **Flow rate (effectively)**: 12.5 L/min
- **Tank dimensions open/closed**: P 350 Container: External: 2,100 x 2,170 x 2,650 mm, Internal: 1,950 x 1,950 x 2,200 mm
- **Aggregate dimensions**: 850 x 1,390 x 810 mm
- **Reservoir capacity**: 1,040 L
- **Colour**: RAL 5012 blue/RAL 7021 grey
- **Weight of tank (empty)**: 650 kg
- **Weight of power unit**: 210 kg
- **Noise level**: 75 dBA
- **Max. hose length**: up to 2,500 mm
- **Test medium**: Water-oil emulsion EM C0-18 kg

#### Accessories

- Pressure + return filter
- Air preparation unit
- Sealing cone set

### Options

- Second chambers are possible

### Technical Data

- **Sealing cone set** (standard), DN 2.5 - 22 mm, 6 cones.
- **USB interface/port**
- **Pressure filter 12 µm**
- **Return filter 12 µm**
- **Compressed air maintenance unit**

### Standard P 300

- **Sealing cone set**
- **USB interface/port**
- **Pressure filter 12 µm**
- **Return filter 12 µm**
- **Compressed air maintenance unit**

### Standard P 350

- **Quick connector set (SSKV)**
- **Automatic pressure control**
- **Pressure filter 5 µm**
- **Suction filter 100 µm**
- **Anticorrosion additive EM 10 L**
- **Fluid flow inspection glass**
- **Integrated tank**

### Additional Information

- Rapid hose clamping system for the admission of up to four hoses with simultaneous checking (variable setting)
- Parallel test lines – four test lines per chamber
- Automatic starting of the given pressure values
- Two test chambers are possible – mirroring (one is loaded while a second chamber is testing)
- Test chamber standard size 3,600 mm
- Depending on different factors (flooding time, length + diameter of the hoses) you can test approx. 120 hoses per hour
- Adjustable height
- Fitting cones 3/4” (DN 2.5 – 22 mm) easy to change via simple unlinking (6 different cone sizes are available in standard package)
UNIFLEX cleaning machines effectively remove residue and scale from hose cutting, crimping and press fitting.

Package

RG 10 or RG 2
Hakapur 21.5 L Cleaning Agent
Flushing Cone Ø 4 and Ø 8 mm (0.15” and 0.31”)

Accessories

Flushing cone
SK 3802.4
Ø 2 mm (0.08”)

Suction filter
400.031: RG 2

Pressure filter
600.901 5 μm

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### Technical Data

<table>
<thead>
<tr>
<th>Technical data</th>
<th>RG 2</th>
<th>RG 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive</td>
<td>Diaphragm pump, 7 bar Air</td>
<td>Diaphragm pump, 7 bar Air</td>
</tr>
<tr>
<td>Maximum flow rate</td>
<td>25 l/min</td>
<td>180 l/min</td>
</tr>
<tr>
<td>Pressure filter</td>
<td>5 µm</td>
<td>10 µm</td>
</tr>
<tr>
<td>Air filter</td>
<td>5 µm</td>
<td>5 µm</td>
</tr>
<tr>
<td>Max. air consumption</td>
<td>100 Nl/min</td>
<td>250 Nl/min</td>
</tr>
<tr>
<td>Working range</td>
<td>up to 1 1/4&quot; ID</td>
<td>up to 2&quot; ID</td>
</tr>
<tr>
<td>Max. length, depending on bore size</td>
<td>2.5 m/8 feet</td>
<td>20 m/65 feet</td>
</tr>
<tr>
<td>Tank capacity</td>
<td>38 L</td>
<td>215 L</td>
</tr>
<tr>
<td>Working area</td>
<td>350 x 750</td>
<td>800 x 1 600</td>
</tr>
<tr>
<td>Cleaning agent</td>
<td>Non-toxic and corrosion-free emulsion, water based.</td>
<td>Non-toxic and corrosion-free emulsion, water based.</td>
</tr>
<tr>
<td>L x W x H (mm)</td>
<td>960 x 435 x 940</td>
<td>2 000 x 840 x 1 050</td>
</tr>
<tr>
<td>Weight (empty)</td>
<td>55 kg</td>
<td>160 kg</td>
</tr>
</tbody>
</table>

### Accessories
- Hakapur 21,5 L - RG 2+RG 10 - concentrated cleaning agent
- PJ_30.10.76 - RG 10 - Pressure filter cartridge 5 µm
- PJ_30.10.60 - RG 10 - Pressure filter cartridge 10 µm
- 600.4 - RG 2 - Filter cartridge 5 µm
- 600.5 - RG 2 - Filter cartridge 12 µm

**UNIFLEX cleaning machines effectively remove residue and scale from hose cutting, crimping and press fitting.**