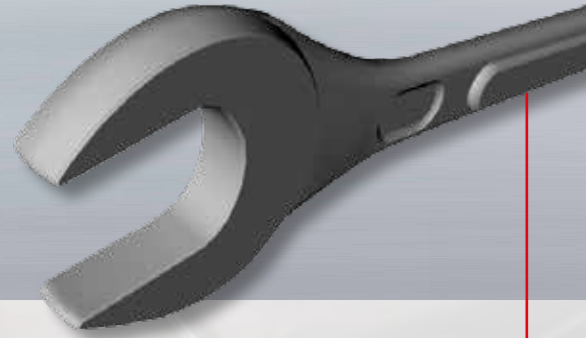


The HYDAC logo is displayed in white text inside a red rounded rectangular border.

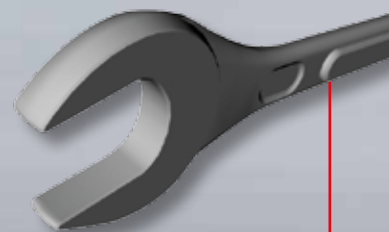
**SERVICE**



# **Price List 2018**

## In-House Repairs and Calibrations



**Price List 2018****In-House Repairs and Calibrations****Contents**

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**Address / contact  
for all listed services****HYDAC Systems & Services GmbH**

Werk 13

Friedrichsthaler Str. 15

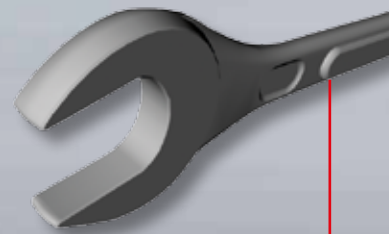
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## Price List 2018

### In-House Repairs and Calibrations

#### Services

##### ■ A programme individually tailored to the customer

The HYDAC Servicenter, together with its service partners, offers you a complete package of services. After in-depth consultation, you can create a service package tailored to your needs. Whether it be support of existing in-house maintenance or sub-contracting the complete package, we will always find the best solution for you.

##### ■ Repairs

We undertake repairs for the whole HYDAC product range as well as other makes of equipment.

Depending on your requirements, we can carry out both individually commissioned repairs with prior consideration as to cost as well as develop repair packages to include spare and reserve parts.

##### ■ Calibration services

Inspection of measuring and test equipment is incorporated as an essential Quality Assurance element for standard calibration in the standards series DIN EN ISO 9000-9004. Inspection of measuring and test equipment should be a guarantee that all test equipment relevant for product quality measures "accurately". In order to guarantee this, the test equipment must be calibrated regularly and must be traceable to national measurement standards. In addition the readings taken must be documented. Optimize the quality of your test equipment by using the calibration service at HYDAC Servicenter or at your own premises in our mobile calibration laboratory. All the calibration equipment we use is traceable to national and international measurement standards.

The calibration laboratory is accredited by the DAkkS, the German National Accreditation Body (D-K-15119-01-00). Calibration certificates for pressure measurement equipment (-1 bar to 600 bar) according to DIN EN ISO/IEC 17025:2005 can be issued. Prices available on request.

#### NOTE:

If products are older than 10 years we will offer repair, due to potentially missing spare parts, only after cost estimate



## Price List 2018

### In-House Repairs and Calibrations

## Repair and Certification Packages for Accumulators

An essential element in modern hydraulics and fluid technology. Hydraulic accumulators perform a wide variety of functions in hydraulic circuits.

#### Overhaul of bladder accumulators \*

1 ltr. accumulator	e.g. SB330-1A1/112U-330A	268.00 EUR
2.5 ltr. accumulator	e.g. SB330-2.5A1/112U-330A	346.00 EUR
4 ltr. accumulator	e.g. SB330-4A1/112U-330A	369.00 EUR
5 ltr. accumulator	e.g. SB330-5A1/112U-330A	419.00 EUR
6 ltr. accumulator	e.g. SB330-6A1/112U-330A	483.00 EUR
10 ltr. accumulator	e.g. SB330-10A1/112U-330A	519.00 EUR
20 ltr. accumulator	e.g. SB330-20A1/112U-330A	737.00 EUR
24 ltr. accumulator	e.g. SB330-24A1/112U-330A	809.00 EUR
32 ltr. accumulator	e.g. SB330-32A1/112U-330A	997.00 EUR
50 ltr. accumulator	e.g. SB330-50A1/112U-330A	1,492.00 EUR

The prices apply to standard accumulators with NBR seals and include the replacement bladder and seal kits. Other materials on request. If nitrogen charging is required, there is an additional charge of 5 % on top of the above prices.

#### Costs of testing/certification according to pressure equipment directive

0.6 - 1 ltr. accumulator	e.g. SB330-1A1/112U-330A	119.00 EUR
2.5 - 6 ltr. accumulator	e.g. SB330-2.5A1/112U-330A	149.00 EUR
10 - 24 ltr. accumulator	e.g. SB330-20A1/112U-330A	179.00 EUR
32 - 50 ltr. accumulator	e.g. SB330-32A1/112U-330A	205.00 EUR

#### Flat-rate replacement fee FPU

Charging and testing unit	204.00 EUR
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In order to process the order as quickly as possible, the above stated price includes replacement of the unit sent in with a new unit, or a unit in as-new condition.

\* Quantity discounts on request.



## Price List 2018

### In-House Repairs and Calibrations

#### Repair Packages for Compact Hydraulics Power Units

##### CA Power Units

HYDAC compact power units in the CA series are hydraulic power units with a high power density and compact design. The motor-pump unit is oil-immersed in the tank.

CA Power Unit	e.g. CA2R05H06.3-185-03-10X	569.00 EUR
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##### CO Power Units

Repairs on request. Please contact us in advance.

##### HP Power Units

HYDAC high pressure power units in the HP series have a high power density and compact dimensions. The special construction and use of a noise-damping cast housing ensure very low noise characteristics.

HP0	e.g. HP0-0.30-04-X	649.00 EUR
HP1	e.g. HP1-0.49-61-X	649.00 EUR
HP2	e.g. HP2-1.00-35-X	649.00 EUR

##### NOTE:

The prices apply to power units with a maximum of two stacking assemblies/attachment modules. The cost of repairs for power units with more than two will be advised prior to the work being carried out. Power units which are delivered in an incomplete state will be completed at extra cost.



## Price List 2018

### In-House Repairs and Calibrations

#### Repair and Inspection Packages for Filter Systems

##### Mobile filter systems

With its mobile filter systems, HYDAC offers an extensive range of professional solutions for hydraulic service and maintenance. They are designed to filter during filling and when recirculating hydraulic and lubrication media, to flush systems on commissioning or for continuous offline filtration.

OF7	e.g. OF7K10P1M1B05E	429.00 EUR
OF5	e.g. OF5C10P6N2B05E	799.00 EUR

##### Inspection packages for dewatering units\*

Inspections include:

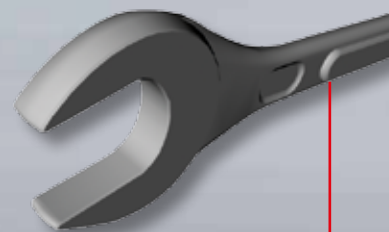
- Visual inspection for leaks
- Testing of sensors
- Replacement of spray and condensate line
- Complete cleaning of vacuum pump
- Checking the threaded connections
- Checking all fault messages
- Function test

FAM 10	999.00 EUR
FAM 15	1,049.00 EUR
FAM 30	1,089.00 EUR
FAM 50	1,169.00 EUR
FAM 70	1,199.00 EUR

##### NOTE:

If your device has a CM sensor we can calibrate it, and repair if necessary, according to the flat-rate prices on page 8.

\* Any repairs or filter element changes which may be required are quoted on a time and materials basis and carried out following approval.



## Price List 2018

### In-House Repairs and Calibrations

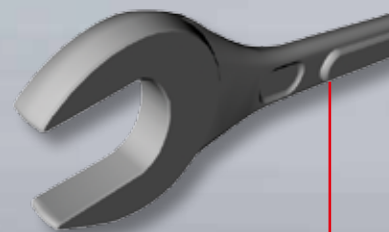
#### Repair Packages for Electronics Products

The broad product range extends from the simple pressure transmitter to the intelligent multiple pressure switch with customized software. In the field of sensors, we work with various technologies so that we are able to offer our customers the best solution for their applications.

<b>Pressure switches</b>	
EDS 601	199.00 EUR
EDS 1600	199.00 EUR
EDS 1700	199.00 EUR
<b>Temperature switches</b>	
ETS 1600	199.00 EUR
ETS 1700	199.00 EUR
<b>Display units</b>	
HDA 5000	159.00 EUR
<b>Portable data recorders</b>	
HMG 30X0	599.00 EUR
Upgrade of HMG 3000 to HMG 3010	459.00 EUR

#### Spare parts for turbine flowmeters

<b>F/I converter</b>	
EVS 3000	299.00 EUR
<b>F/U converter</b>	
EVS 3000	299.00 EUR



## Price List 2018

### In-House Repairs and Calibrations

#### Test Certificates for Electronics Products

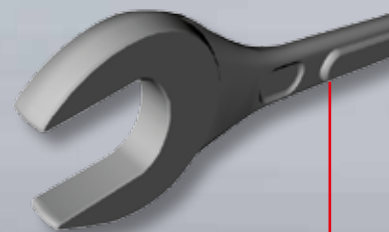
Optimize the quality of your test equipment by using our calibration service at HYDAC Servicenter. We issue test certificates with traceability to the measurement standard used (DAkkS - the German National Accreditation Body).

<b>Pressure switches</b>	
EDS 300, 600, 1000	60.00 EUR
EDS 2000, 3000, 4000, 8000	60.00 EUR
<b>Pressure transmitters</b>	
HDA 3000, 4000	60.00 EUR
HDA 4000 Duo Sensor	99.00 EUR
HDA 7000, 8000	60.00 EUR
<b>Display units</b>	
HDA 5500 Option 0	99.00 EUR
HDA 5500 Option 1,2,3	159.00 EUR
<b>Temperature sensors</b>	
ETS 300, 3000, 4000, 7000	99.00 EUR
ETS 1XXX	60.00 EUR
TFP 100	60.00 EUR
<b>NEW:</b> HTT 8000	99.00 EUR
<b>Flowmeters</b>	
EVS 3xxx	339.00 EUR
<b>Portable data recorders</b>	
HMG 5X0	159.00 EUR
HMG 1000	209.00 EUR
HMG 20X0	159.00 EUR
HMG 2500	199.00 EUR
HMG 30X0	329.00 EUR
HMG 4000	359.00 EUR
<b>Level switches</b>	
<b>NEW:</b> HNS 500	60.00 EUR
<b>NEW:</b> HNS 3000 (max. 2500 mm)	169.00 EUR
ENS 3000	169.00 EUR
HNT 1000	60.00 EUR
<b>Clogging indicator</b>	
EVA Wind	84.00 EUR

**NOTE:**

**Re-issue of test certificate:**  
10.00 EUR





## Price List 2018

### In-House Repairs and Calibrations

## Repair and Calibration of Particle Counters and CM Sensors

Optimize the quality of your test equipment by using our calibration service at HYDAC Servicenter. All calibration equipment used by us is subject to audit by DAkkS (the German National Accreditation Body).

#### Repair and calibration

FCU 1xxx	1,099.00 EUR
FCU 2xxx	1,299.00 EUR
CS 1xxx	599.00 EUR
CS 2xxx	879.00 EUR
CSM xxxx	989.00 EUR
FMM xxx	659.00 EUR

#### Inspection and calibration

CS 1xxx	369.00 EUR
CS 2xxx	689.00 EUR
CSM	719.00 EUR
FCU1xxx	589.00 EUR
FCU2xxx-1	689.00 EUR
FCU2xxx-4/-5	759.00 EUR
FCU8xxx	959.00 EUR
FMM	369.00 EUR
AS 1xxx/2xxx	249.00 EUR

#### Modification including inspection and calibration

FCU 2010 ▶ FCU 2210 including hardware update	2,899.00 EUR
FCU 2110 ▶ FCU 2210 including hardware update	2,899.00 EUR

#### NOTE:

Where calibration is required in accordance with DIN EN ISO 9001 FF, we recommend calibrating your measuring device/sensor at least annually. In some cases shorter intervals may be advisable. Just ask us and we will be happy to help.