

## Questionnaire for filters for hydraulics and lubrication

### Customer data

#### Consignor

Company: \_\_\_\_\_  
 Poste code: \_\_\_\_\_  
 Town: \_\_\_\_\_

Customer-no.: \_\_\_\_\_  
 Street: \_\_\_\_\_

#### Contact person

Commercial: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Project-no.: \_\_\_\_\_

Technical: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Project-no.: \_\_\_\_\_

### Commercial data

Enquiry / product:  new  settlement offer  replacement \_\_\_\_\_  
 Target price: \_\_\_\_\_ € no.of pieces: \_\_\_\_\_ pcs/a.  staggled prices  
 Delivery time: \_\_\_\_\_ weeks lot size: \_\_\_\_\_ pcs./lot \_\_\_\_\_  
 Competitor: \_\_\_\_\_  
 Competitor type: \_\_\_\_\_  
 Additions: \_\_\_\_\_

### Technical data

#### Hydraulic / lubricating fluid

Manufacturer: \_\_\_\_\_  
 Designation: \_\_\_\_\_

#### Fluid type

Mineral oil base:  HL  HLP  HVLP  HLPD  HVLPD  CL  
 HD-Motor oil  CLP  TD-Turbine oil Others: \_\_\_\_\_

Biodegradable:  HEES  HETG  HEPG  HEPR Others: \_\_\_\_\_

Flame retardant :  HFA  HFB  HFC  HFD Others: \_\_\_\_\_

Other fluid: \_\_\_\_\_

Viscosity grade: \_\_\_\_\_ Viscosity index: \_\_\_\_\_ Density: \_\_\_\_\_ g/cm<sup>3</sup>

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## Operating data

Pressure: Operat. press.: \_\_\_\_\_ bar Specification: \_\_\_\_\_ bar Test pressure: \_\_\_\_\_ bar  
 Characteristics:  static / quasi static  
 pulsing from \_\_\_\_\_ bar to \_\_\_\_\_ bar  
 Pulsing frequency: \_\_\_\_\_ Hz No load changes: \_\_\_\_\_

Volume flow: Normal: \_\_\_\_\_ l/min Minimal: \_\_\_\_\_ l/min Maximum: \_\_\_\_\_ l/min  
 Characteristics:  constant  pulsing Pulsing frequency \_\_\_\_\_ Hz  
 reversing Reversing flow: \_\_\_\_\_ l/min

## Viscosity / Temperature:

Oil viscosity: \_\_\_\_\_ mm<sup>2</sup>/s

	Temperature [°C]
at cold start / start	
in normal operation	
maximum	



## Filter housing

Mounting  in-line  in-tank  block assembly  
 vertical  horizontal

Filter type  suction filter  pressure filter  return filter  bypass filter  
 single filter  parallel filter  duplex filter  other type:

Others: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Materials: Filter housing: \_\_\_\_\_  
 Seals:  NBR  FKM/FPM  EPDM  PTFE  CR others: \_\_\_\_\_

Connections: inlet: \_\_\_\_\_ outlet: \_\_\_\_\_  
 Other connection: \_\_\_\_\_

Bypass valve:  without  1,5 bar  2,2 bar  3,5 bar  5,0 bar  7,5 bar  
 outhr value: \_\_\_\_\_

Maintenance indicator:  without  delta p  dynamic press.  pressure  gauge  
 Display:  visual  visual/electrical  electrical  analog signal  
 Function:  no/nc  change over  others: \_\_\_\_\_  
 Switch point indicator: Switch point: \_\_\_\_\_ bar (2. switch point \_\_\_\_\_ bar)  
 Electr. connection:  wiring box acc. to DIN  M12  Others: \_\_\_\_\_

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## Filter element

Filter fineness:  4 µm (c)  5 µm (c)  7 µm (c)  10 µm (c)  15 µm (c)  20 µm (c)  
 Others : \_\_\_\_\_ µm (c)  
 (β<sub>x</sub>(c) > 200 according to DIN 24550 T2 / ISO 16889 (only Sm-x, PS, MB))

10 µm (c)  25 µm  40 µm  60 µm  100 µm  200 µm  
 Others : \_\_\_\_\_ µm  
 (for Mic, DRG, KS-Mic)

other fineness: \_\_\_\_\_

Filter material:  Mic  Sm-x  PS  MB  DRG  KS-MiC  
 Others: \_\_\_\_\_

Over pressure resist.: \_\_\_\_\_ bar

Other information: \_\_\_\_\_

## Desired Design

Max. pressure drop (complete filter): \_\_\_\_\_ bar  
 clean element: \_\_\_\_\_ bar  
 max. permitted at dirty element: \_\_\_\_\_ bar

Service life of element: \_\_\_\_\_

## Specifications / Certificates / Approvals / Regulations

The filter design will be interpreted for fluids in group 2 acc. to EU-pressure equipment directive 2014/68/EU article 4(3) and article 13

Other desired specifications / approvals / regulations: \_\_\_\_\_

## Necessary documents for offer

Proposal drawing (2D)  Data sheet (if available)  3D-Modell (CAD) on request  
 File format: \_\_\_\_\_

Other documents: \_\_\_\_\_

## Additions / Others

\_\_\_\_\_  
 \_\_\_\_\_



## Your Contact

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 FILTRATION