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Clarification form
for the analysis of technical cleanliness of components

Analysis acc. to ISO 16232 and VDA volume 19

1 Hydac Office: _____ Employee: _____

2 **Customer:** _____

3 Contact person: _____ Phone: _____ e-mail: _____

4 Order No. _____ Cost Centre/Address for account _____

5 Report: Paper (Post): ☐ e-mail: ☐ _____

6 **Component description:** _____ Type Code: _____

7 Manufacturer: _____ Drawing-No: _____

8 Functional description: _____

9 New Part ☐ Field application: ☐

after test stand ☐
after cleaning plant ☐ Operating hours/km/years: _____
after assembly ☐
miscellaneous ☐ _____

10 Prior test? no ☐ yes ☐ Lab report no. _____

11 Test specification available? no ☐ yes ☐ No. _____

12 Are we allowed to get in touch with the producer concerning component relevant questions/test methods?

no ☐ yes ☐ Contact person: _____

Adress of producer: _____

13 **Data for analysis:**

14 Quantity of components: _____ Component quantity per membrane: _____

15 Surfaces to be analyzed: Complete component ☐ Partial area ☐ Inner surfaces ☐
Quantity: _____

16 Special geometry _____
(e. g. check valve, baffles, cross-section constriction etc.)

17 Average pore size of membrane 5 µm ☐ 8 µm ☐ miscellaneous: _____ µm

18 Cascade 1st membrane: _____ µm 2nd membrane: _____ µm 3rd membrane: _____ µm

19 Test parameters to be applied:

		volume (total)	pressure
ultrasonic	☐	_____	
spraying	☐	_____	_____
flushing	☐	_____	_____
shaking	☐	_____	

20 **Analytical method:**

gravimetry (1)	☐
Light microscopic particle counting (2)	☐
REM-EDX particle counting (3)	☐

21 **Destination of components after analysis:**

Return to the customer (*)	☐
Pickup by the customer	☐
Scrapping through Hydac	☐

(*) Costs for packaging and transport are for the customer's account.

22 **Remarks/Additions:** _____

_____

_____

23 **Note concerning packaging of the components:**

Since packaging affects the test result, it is advisable to pack the units into new clean plastic bags.
The plastic bags are to be closed immediately in order to exclude contamination from the outside.
Packaging and dispatch are to be selected in such a way that mechanical influences on the component (friction, impact) are avoided. The units are to be delivered completely empty (without operating medium).
Should you have further questions please contact 06897-509-272 or labor.filtertechnik@hydac.com.
Our lab staff will happily advise you.

(1) Determination of total mass through difference weighing of the membrane

(2) Automatic particle counting with a Leica light optical microscope and Q-clean software in the size ranges acc. to VDA, volume 19.

(3) Automatic particle counting with a scanning electron microscope and determination of the material particle composition through an EDX-analysis.