

# How to order:

Parker filter screw connections are specified by "nominal microns". The lower the value the finer the sieve. The screw connection body is marked with the nominal micron value and sieve insertion direction.

## Filter screw connection nomenclature

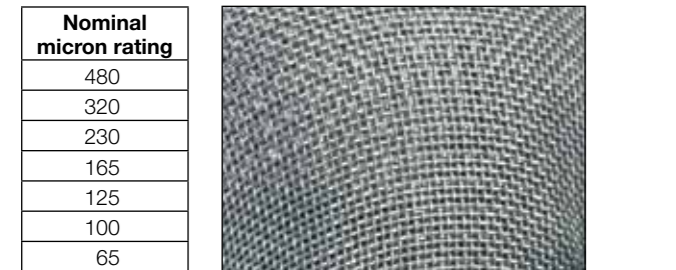
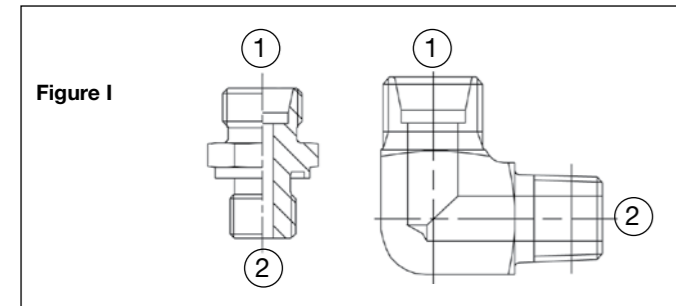
**Order number**  
Standard screw connection catalogue

**Installation side for filter element**  
Installation side as per Figure 1 (add 1 or 2)

## Screen Fitting

### Description of the sieve element

Network stitch density	Wire diameter (mm)	% Outlet	Nominal micron rating
40x40	0.254	36.0	480
60x60	0.91	30.5	320
80x80	0.40	31.4	230
100x100	0.114	30.3	165
150x150	0.066	37.4	125
200x200	0.053	33.6	100
325x325	0.036	30.0	65



Sample stitch density

Examples:  
GE10LRED 1 SF 480 OMDCF



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Your local authorized Parker distributor



## Filter screw connections

Effective protection for sensitive components in the hydraulics



Subject to technical changes!



ENGINEERING YOUR SUCCESS.



# Parker filter screw connections protect important components from damage due to dirt.

Parker filter screw connections guarantee the ultimate protection from particles. These can (even in properly filtered systems) make their way into a plant during installation, maintenance, component failure or by other means. Filter screw connections protect important components from damage due to dirt. They should be used along with a good filtering system. Parker filters are suited to capturing particle sizes of 65 to 480 microns.

## Design and construction

### Screw connection body

The Parker filter system is based on the standardised screw connection bodies defined by DIN and SAE.

All screw connection bodies are marked with the micron nominal value of the filter screw connection.

### Filters

The filter screw connections are equipped with stainless steel sieve elements and can be combined with Parker screw connection systems made from steel and stainless steel with an external pipe diameter of up to 18L/16S.

The same instructions apply to assembly (refer to product catalogue 4100). In addition, the Parker filter screw connections can flow in both directions and as an option be assembled in the pipe or connection side of the screw connection.

## Customer solutions - tailor-made

Various combinations are possible on the screw connection side: Individual solutions for your application!  
*More details on request!*

## Typical applications and markets

Important hydraulic components such as

- valve blocks
- control units
- power-assisted valves
- proportional valves
- pump compensators
- etc.



## Important!

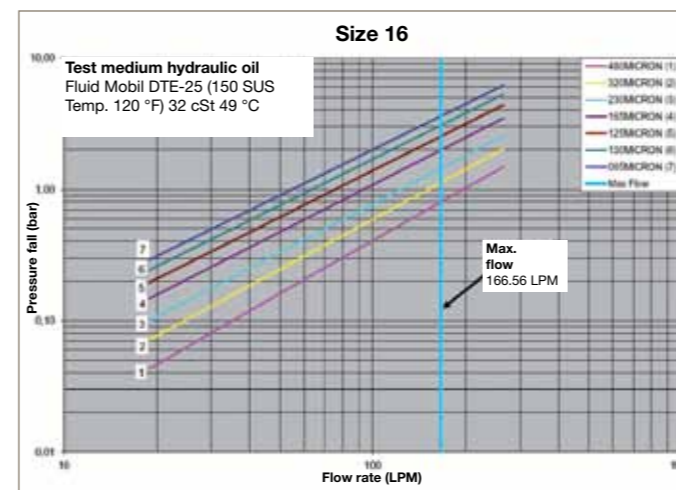
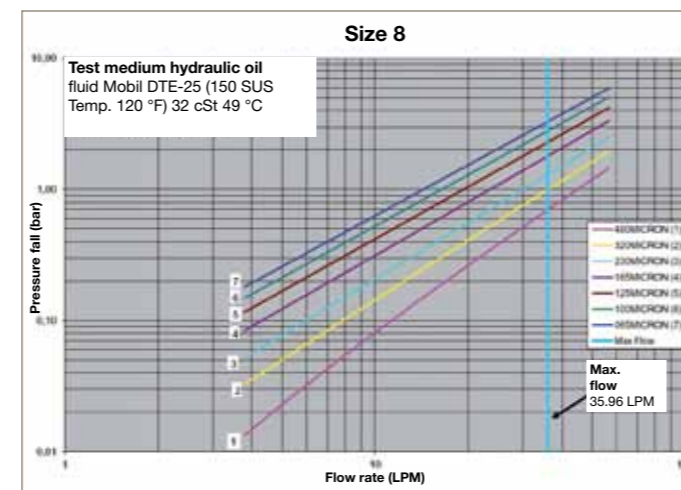
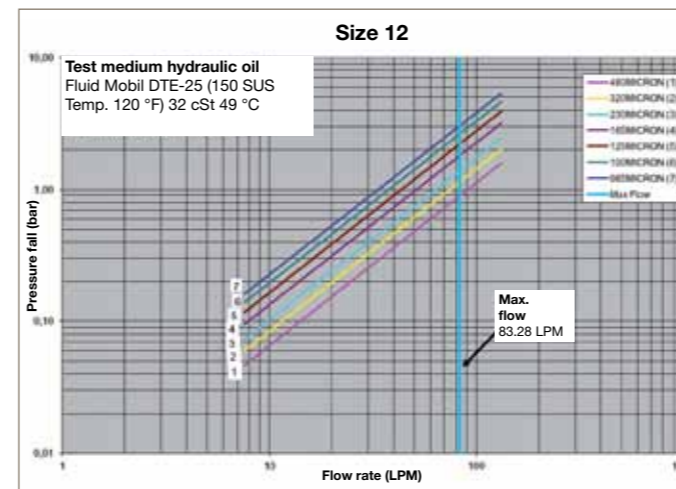
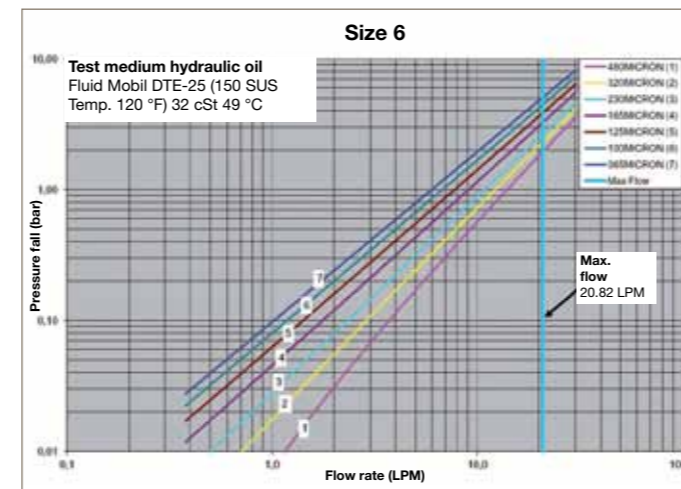
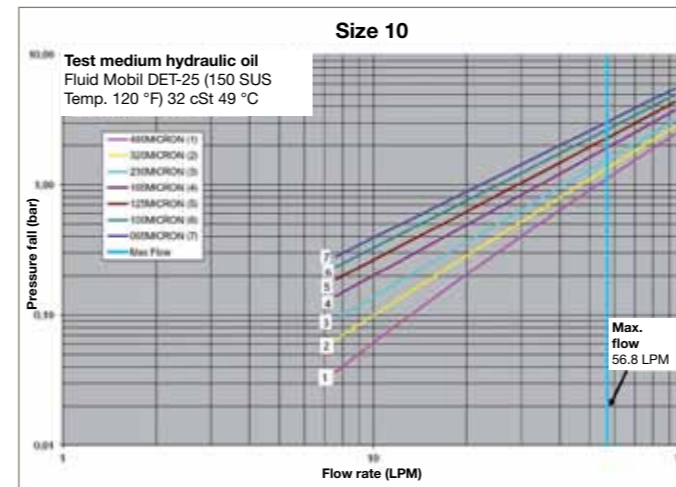
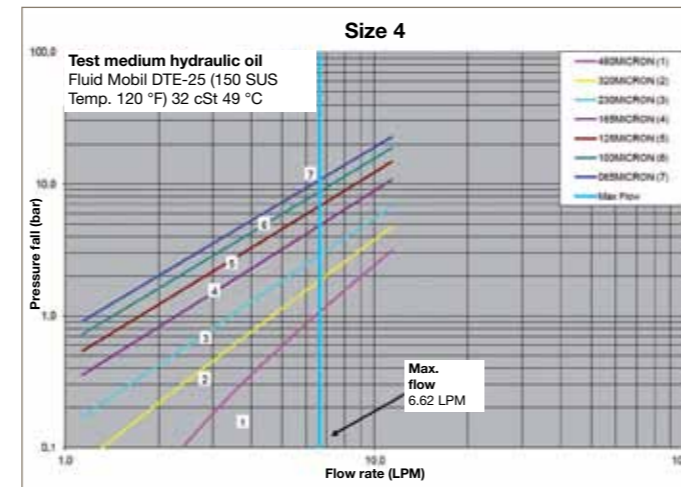
We recommend including the sieve in the maintenance plan under the maintenance intervals (depending on the application)

## Pressure levels

Parker filter screw connections have the same dynamic pressure levels as the relevant screw connection body (without the sieve).

## Pressure fall

All filter screw connections are tested to determine the maximum pressure fall and the sieve's retention capacity. The following "pressure fall vs. flow" tables were produced using real test data and can be used as the guide value to determine the pressure fall on the filter screw connections for different flow rates of the relevant stated liquid.



The safety factor to prevent the sieve from ripping is at least three times the maximum recommended DeltaP.

## Parker filter screw connections offer the ideal protection for:

- Measuring devices and instruments
- Important hydraulic components, e.g. load sensing control units, proportional valves, over-pressure valves, etc.
- Precision nozzles in front of plugs
- Expensive components in test stand groups, e.g. particle pollution by defective components

