2-way proportional throttle valve for block installation

Types FE; FEE

Size 16
Component series 2X
Maximum operating pressure 315 bar
Maximum flow 190 L/min bei $\Delta p = 10$ bar

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Features

- Pilot operated 2-way proportional throttle valve for block installation
- Installation dimensions to DIN ISO 7368-BA-06-2-A
- Electrically position-controlled orifice spool
- Direction of flow A to B
- In the event of a power failure or cable break (or withdrawal of the enable $\text{(i)}$) the orifice spool moves automatically to the closed position and blocks the flow from A to B
- In conjunction with a pressure compensator, can be used for pressure-compensated flow control
- Type FE for external control electronics (separate order), see page 5
- Type FEE: completely matched unit with integrated electronics (OBE), optionally available with voltage or current interface

$\text{(i)}$ Type FEE only

Information on available spare parts:
www.boschrexroth.com/spc
Ordering code

**FE** 16 C -2X/...

Electrically operated
2-way proportional throttle valve
for block installation

For external control electronics = **No code**
With integrated electronics (OBE) = **E**

Size 16 = 16
Kit = **C**

Component series 20 to 29 = 2X
(20 to 29: unchanged installation and connection dimensions)

Flow characteristic "linear" ¹)
100 L/min = 100L
190 L/min = 190L

¹) Nominal flow in L/min at Δp = 10 bar between ports A and B (see also hydraulic technical data on page 4)

Further details in clear text

**Seal material**

| M = | NBR seals, suitable for mineral oil (HL, HLP) to DIN 51524 |
| V = | FKM seals |

**Electronics interface** (see page 7)

| B1 = | Command value input 0 to 10 V/actual value output 0 to –10 V |
| G1 = | Command value input 4 to 20 mA/actual value output 4 to 20 mA |

No code =

**Electrical connection**

for **FE**:

K4 = Without cable sockets, with component plug to DIN EN 175301-803
for proportional solenoid and GSA20 made by Hirschmann for position transducer

Cable sockets – separate order, see page 6

for **FEE**:

K0 = Without cable socket, with component plug to DIN 43651, cable socket – separate order, see page 7

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**Standard type**

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<th>Type</th>
<th>Material no.</th>
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<tr>
<td>FEE 16 C-2X/190LK0B1M</td>
<td>R900954413</td>
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</table>

**Symbols**

**Simplified**

FE 16 C-2X/...

FE 16 C-2X/...

Direction of flow: A to B (X connected with A)

Note: Connect pilot oil port X with A or connect externally

Caution: In the case of external pilot oil supply at X, the pressure in X must be ≥ pressure in A!

**Detailed (example of type FE)**

FE 16 C-2X/...

2) A service port
B service port
X pilot oil supply
Y pilot oil drain