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# EFB-G-03-125-H-20 serial proportional flow control valve

MACHYDRA

## CONTENT

1. This kind of valve only supply the minimum pressure that the driving components need and flow of inlet throttle type energy saving valve.
2. This kind of valve can make the pressure of oil pump side maintains differential pressure 6~9bar greater than load pressure so that can safe energy.



## ORDERING DETAILS

EFB G 03 125 C 10

**Series code**
**EFB** = Electroohydraulic proportional relief and flow control valve

**Connection mounting method**
**G** = Sub-plate mount

**Sub-plate mount**
**03, 06**

**Maximum flow adjusting**
**125** = 125 L/min
**250** = 250 L/min
**500** = 500 L/min

**Pressure control range of proportional pilot relief valve**
**C** = 1,1~14MPa
**H** = 1,1~21MPa

**Serial number**

## TECHNICAL DATA

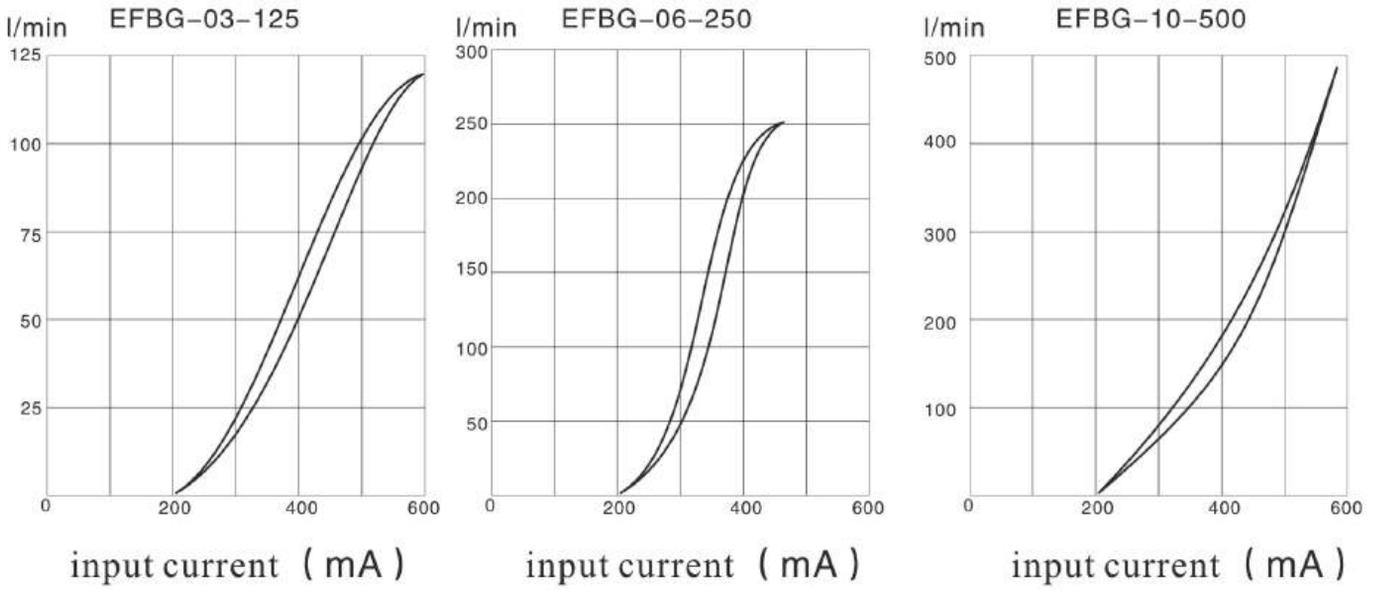
**Technical Data**

| Model | | | EFBG-03-125 | EFBG-06-250 | EFBG-10-500 |
|---|---|---|---|---|---|
| Maximum operating pressure | | bar | 250 | 250 | 250 |
| Maximum flow | | L/min | 125 | 250 | 500 |
| Flow control range | | L/min | 1~125 | 2.5~250 | 5~500 |
| Flow control | Rated flow | mA | 680 | 680 | 700 |
| | Coil resistance | ohm(+20°C) | 40 | 40 | 40 |
| | Pressure drop | bar | 6 | 7 | 9 |
| | Hysteresis | ≤% | 7 | 7 | 7 |
| | Repeated accuracy | ≤% | 1 | 1 | 1 |
| Pressure control | Pressure control range | bar | C:14~140; H:14~210 | C:15~140; H:15~210 | C:16~140; H:16~210 |
| | Rated flow | mA | C:780; H:820 | C:780; H:820 | C:780; H:820 |
| | Coil resistance | ohm(+20°C) | 10 | 10 | 10 |
| | Pressure drop | ≤% | 3 | 3 | 3 |
| | Hysteresis | ≤% | 1 | 1 | 1 |
| Weight | | kg | 18 | 18 | 18 |

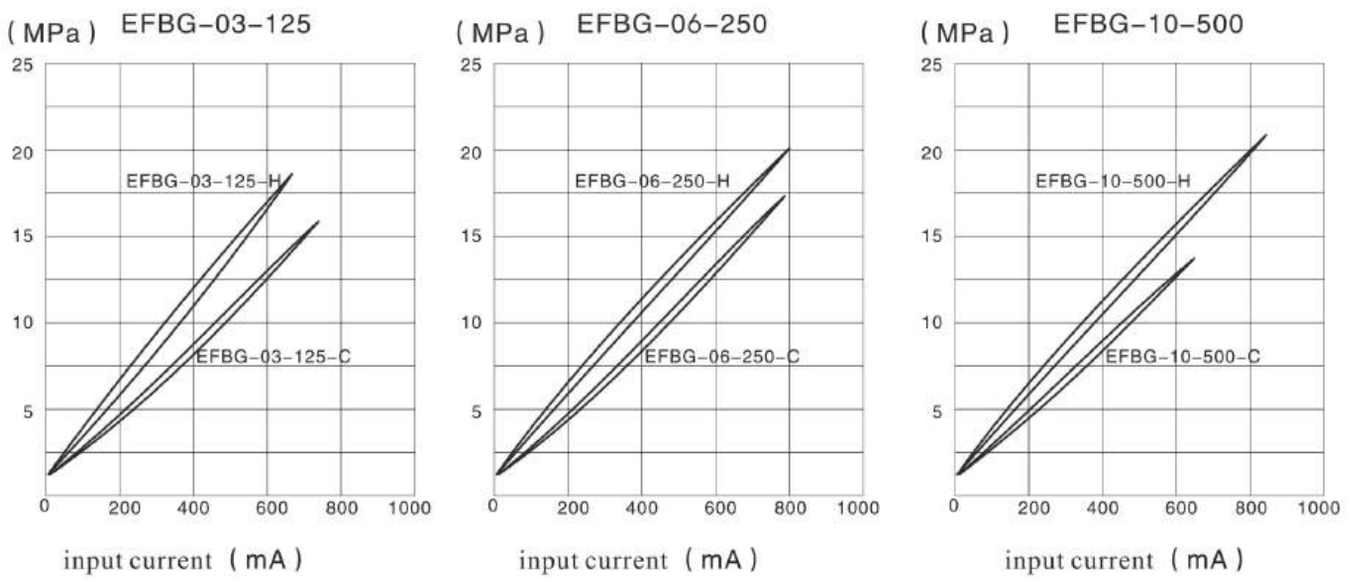
All original manufacturers'names,part numbers and description are for reference purposes only and it doesn't imply that any Part listed is the product of these manufacturers.

# CHARACTERISTIC CURVE

[the characteristic of input current-flow]



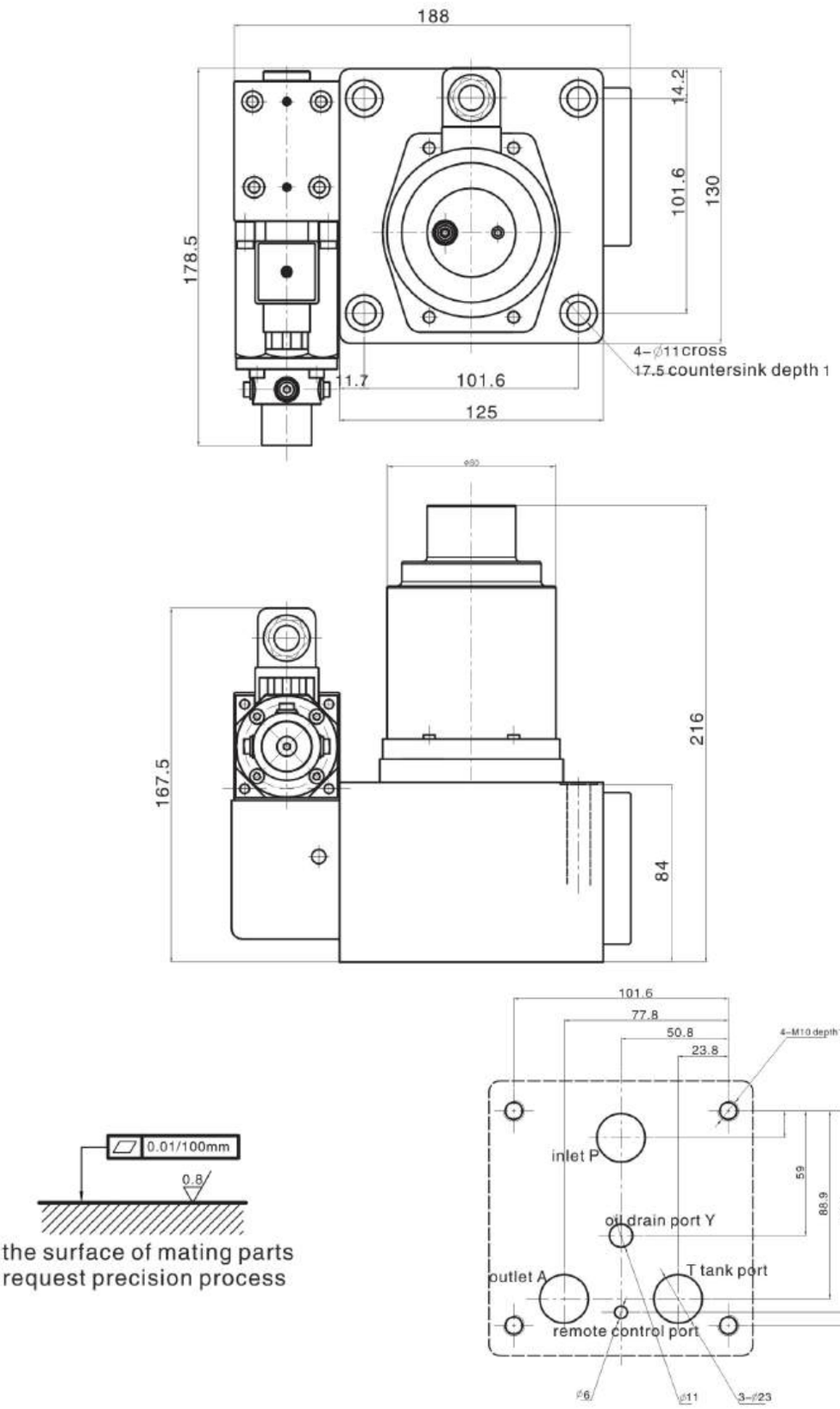

[the characteristic of input current-pressure]



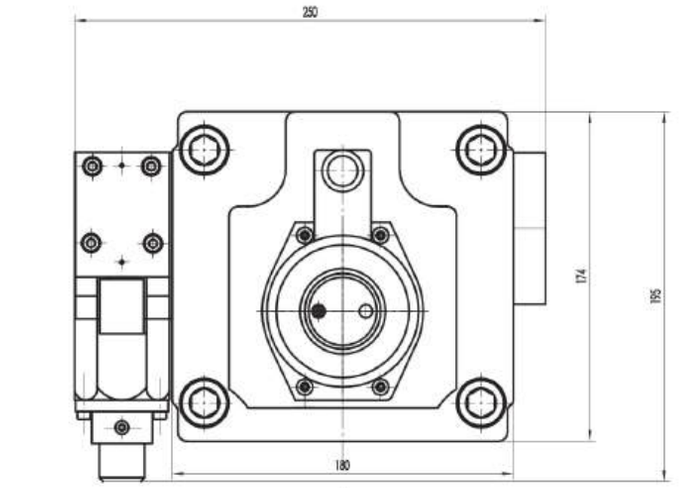
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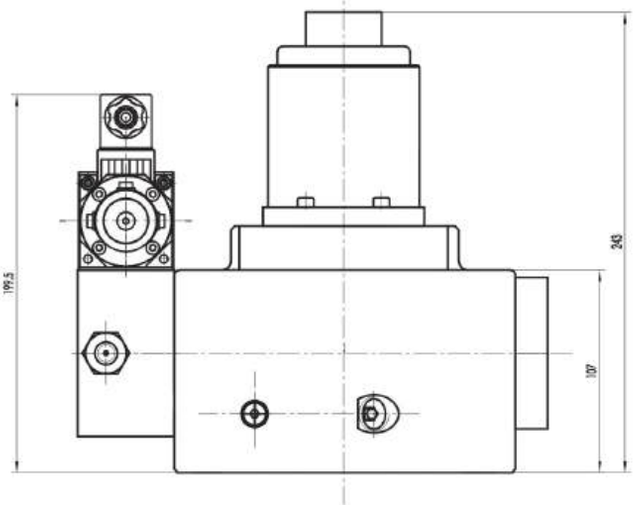
# UNIT DIMENSIONS

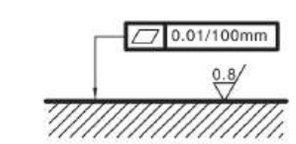
**EFBG-03**



## EFBG-06




the surface of mating parts
request precision process

