

Hygienic Design Cylinder Basic Type

HYQ Series

ø20, ø25, ø32, ø40, ø50, ø63

How to Order

HYQB 20 □ R - 50 F M

With auto switch **HYDQB 20 □ R - 50 F M - F6B □**

With auto switch
(Built-in magnet and switch rail)

Bore size

| | |
|----|-------|
| 20 | 20 mm |
| 25 | 25 mm |
| 32 | 32 mm |
| 40 | 40 mm |
| 50 | 50 mm |
| 63 | 63 mm |

Port thread type

| | | |
|-----|----------|------------|
| Nil | M thread | ø20, ø25 |
| | Rc | |
| TN | NPT | ø32 to ø63 |
| TF | G | |

Sealant material

| | |
|---|-------------------------------|
| R | NBR |
| H | External FKM ^{Note)} |

Note) External seal material: Rod scraper, tube gasket, and rod seal are made from FKM.

Number of auto switches

| | |
|-----|----------|
| Nil | 2 pcs. |
| S | 1 pc. |
| n | "n" pcs. |

Auto switch

| | |
|-----|---------------------|
| Nil | Without auto switch |
|-----|---------------------|

Refer to table below for selection of applicable auto switch.

Type of rod end

| | |
|-----|---------------|
| Nil | Female thread |
| M | Male thread |

Grease

| | |
|-----|--------------------------------|
| Nil | Standard grease (for non-food) |
| F | Grease for food |

Note) Select grease for food for use in a water dispersion environment or when washing a product with water. (Water resistance is insufficient with standard grease.)

Cylinder stroke

Refer to page 1089 for the standard stroke.

< Mounting bracket > Foot, flange, single clevis, double clevis, and clevis pin
< Option parts > External cover

Please place an order for above mentioned parts separately, please refer to pages 1115 to 1119 for details.

Applicable Auto Switches/Refer to pages 1575 to 1701 for detailed auto switch specifications.

| Type | Electrical entry | Indicator light | Wiring (Output) | Load voltage | | Auto switch model | Lead wire length (m) [*] | | | Pre-wired connector | Applicable load | | |
|-------------------------|------------------|-----------------|-----------------|--------------|------|-------------------|-----------------------------------|-------|-------|---------------------|-----------------|------------|---|
| | | | | DC | | | 0.5 (Nil) | 3 (L) | 5 (Z) | | | | |
| Solid state auto switch | Grommet | Yes | 3-wire (NPN) | 24 V | 5 V | F6N | ● | ● | ○ | ○ | IC circuit | Relay, PLC | |
| | | | 3-wire (PNP) | | 12 V | F6P | ● | ● | ○ | | | | ○ |
| | | | 2-wire | | 12 V | F6B | ● | ● | ○ | | | | ○ |

* Lead wire length symbols
0.5 m..... Nil (Example) F6B
3 m..... L (Example) F6BL
5 m..... Z (Example) F6BZ

* Auto switches marked with a "○" symbol are produced upon receipt of orders.

• Refer to pages 1648 and 1649 for detailed specifications about the auto switch with pre-wired connector.

* Auto switch is shipped not assembled with the cylinder.

Note) The D-F6□ auto switch has an exterior configuration that reduces residual liquid; it does not feature improved water resistance.