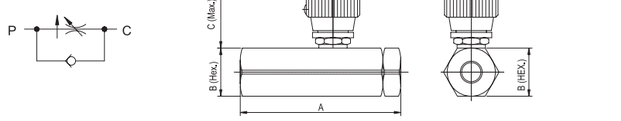
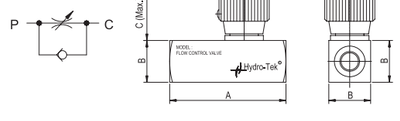
최종 하이드로텍본문0917 2007.11.15 6:37 PM 페이지21
C M Y K

## 14 A / B — (Others) Compensated adjustable throttle valve & Flow control valve

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| A | Code | Compensated adjustable throttle valve P | | | Flow control valve F | | |
| B | Code | 400 | 600 | 800 | 400 | 600 | 800 |
| | Port | PT 1/4" | PT3/8" | PT1/2" | PT1/4" | PT3/8" | PT1/2" |
| | Flow (Max.) | 1 ~ 10 ℓ/min | 1 ~ 18 ℓ/min | 1 ~ 33 ℓ/min | 20 ℓ/min | 55 ℓ/min | 110 ℓ/min |
| | Pressure (Max.) | 250bar | 250bar | 250bar | 350bar | 350bar | 350bar |
| | A (mm) | 90 | 90 | 107 | 65 | 70 | 87 |
| | B (mm) | 27 | 27 | 36 | 20 | 25 | 32 |
| | C (mm) | 38 | 38 | 41 | 34 | 45 | 44 |
| | D (mm) | 24 | 24 | 30 | 24 | 30 | 30 |

Diagram & Dimension




**Note** Please contact Hydro-Tek for different thread specification of 'P' ports.

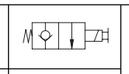
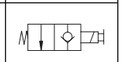
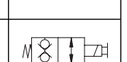
## 14 A / B / C / D — (Others) Solenoid valve

| | | | | |
|---|---|---|---|---|
| A | Code | Solenoid valve V | | |
| B | Code | C | O | D |
| | Type | Normally closed | Normally open | Double lock |

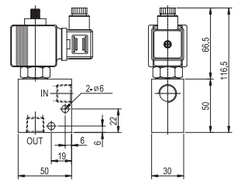
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| C | Code | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Voltage | DC12V | DC24V | AC 110V | AC 220V | AC 110V RAC | AC 220V RAC | AC 24V |

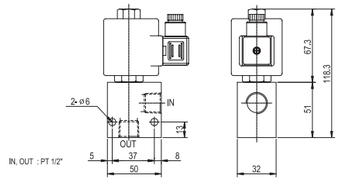
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| D | Code | 1 | | | 3 | | |
| | Specification | Cavity | Pressure (Max.) | Flow (Max.) | Cavity | Pressure (Max.) | Flow (Max.) |
| | | 08 | 250bar | 40 ℓ/min | 10 | 350bar | 68 ℓ/min |

Diagram

| | |
|---|---|
| C |  |
| O |  |
| D |  |

Dimension

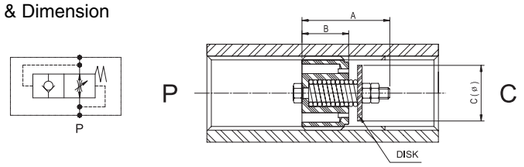



## 14 A / B — (Others) Burst valve

| | | | | |
|---|---|---|---|---|
| A | Code | Burst valve B | | |
| B | Code | 400 | 600 | 800 |
| | Port | PT 1/4 | PT 3/8 | PT1/2 |
| | Flow (Max.) | 25ℓ/min | 50ℓ/min | 80ℓ/min |
| | A (mm) | 17.5 | 23 | 25 |
| | B (mm) | 8 | 10.5 | 12 |
| | C (mm) | 9.5 | 12.5 | 15 |

Diagram & Dimension



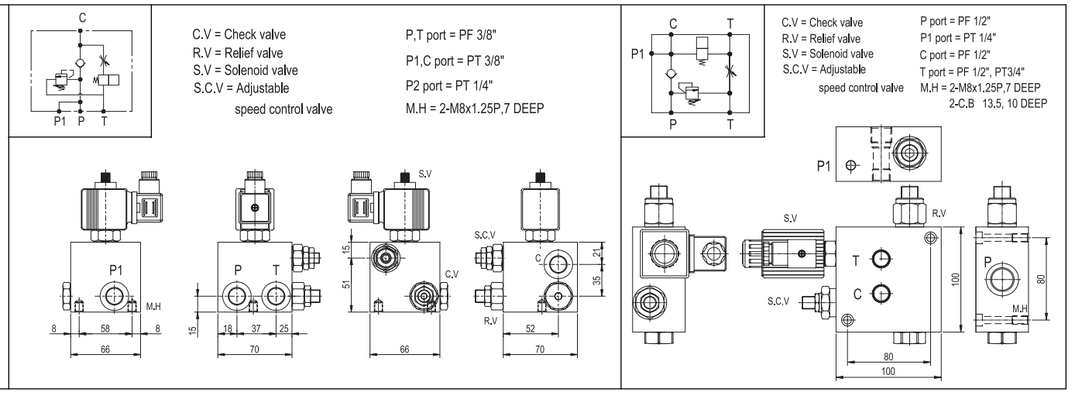



## 14 A / B / C / D — (Others) Lift valve

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| A | Code | Lift valve code L | | | | | | |
| B | Code | C | | | O | | D | |
| | Diagram | Normally closed | | | Normally open | | Double lock | |
| C | Code | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Voltage | DC12V | DC24V | AC 110V | AC 220V | AC 110V RAC | AC 220V RAC | AC 24V |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| D | Code | 1 | | | 3 | | |
| | Specification | Cavity | Pressure (Max.) | Flow (Max.) | Cavity | Pressure (Max.) | Flow (Max.) |
| | | 08 | 250bar | 40 ℓ/min | 10 | 350bar | 68 ℓ/min |

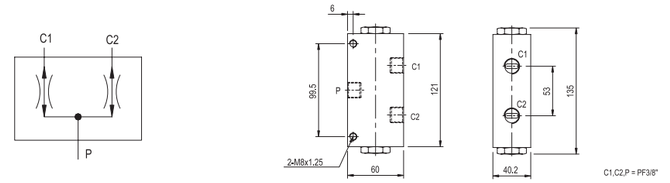
Dimension & Diagram




## 14 A / B — (Others) Flow divider

| | | | | |
|---|---|---|---|---|
| A | Code | Flow divider D | | |
| B | Code | A | B | C |
| | Flow rate(ℓ /min) | 6.5 ~ 12 | 13 ~ 23 | 24 ~ 38 |

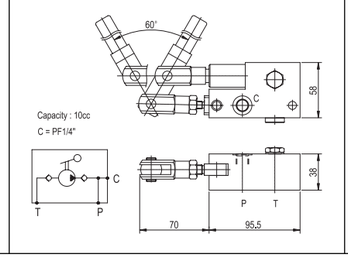
Diagram & Dimension



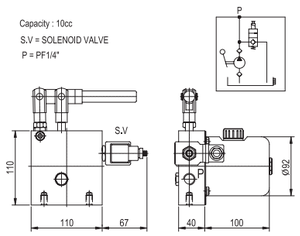

## 14 — (Others) Hand pump

A — Diagram & Dimension

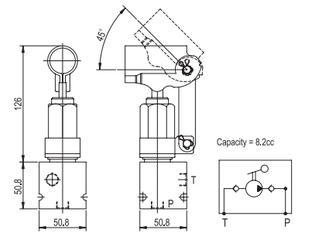
HP




HPP




KP



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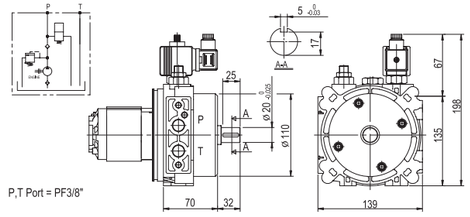
C M Y K C M Y K C M Y K

## 14 (Others) Alternative drives

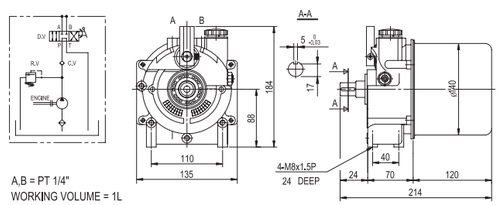
A / B

**A** — Diagram & Dimension

**ES**




**EP**

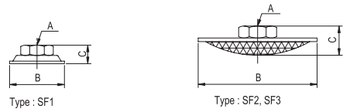



## 15 (Hydraulic Accessories) Suction filter

A / B

| A | Code | Suction filter SF | | |
|---|---|---|---|---|
| B | Code | 1 | 2 | 3 |
| | A(PF) | 3/8 | 3/8 | 3/8 |
| | B(Ø) | 43 | 63 | 80 |
| | C (mm) | 15 | 23 | 27 |

Dimension

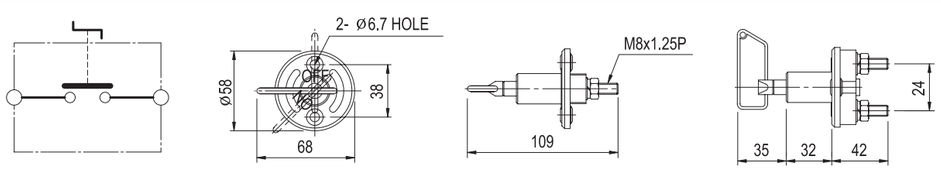



## 15 (Hydraulic Accessories) Battery Cut/Out switch

A

**A** — Diagram & Dimension

**CW**




## 15 (Hydraulic Accessories) Component parts in center block

| Code No. | Description | Diagram | Dimension | Code No. | Description | Diagram | Dimension |
|---|---|---|---|---|---|---|---|
| 400936 | Solenoid normally close cartridge valve | | ø12.7 | 300508 | Check valve | | ø15.87, 35.5 |
| 400845 | | | ø15.87 | 300510 | | | 19.5, SCREW = PF3/8" |
| 401164 | | | ø12.7 | 300511 | | | 17, SCREW = PF1/4" |
| 400846 | Solenoid normally open cartridge valve | | ø15.87 | 300562 | Speed control valve | | ø15.87, 37.5 |
| 400847 | Solenoid double locking cartridge valve | | ø15.87 | 400979 / 400980 | Plug | — | 14.3, SCREW = PF1/4", SCREW = PF3/8" |
| 301180 | Manual cartridge valve | | 70 | 400982 / 401909 | | | 18, SCREW = PF1/2", SCREW = UFN3/4" |
| 300521 | Relief valve | | 53, SCREW = M16x1P | 400984 | Plug for cavity | — | ø12.7, 34 |
| 300507 | | | 40.2, ø15.87 | 400983 | | | ø15.87, 34 |



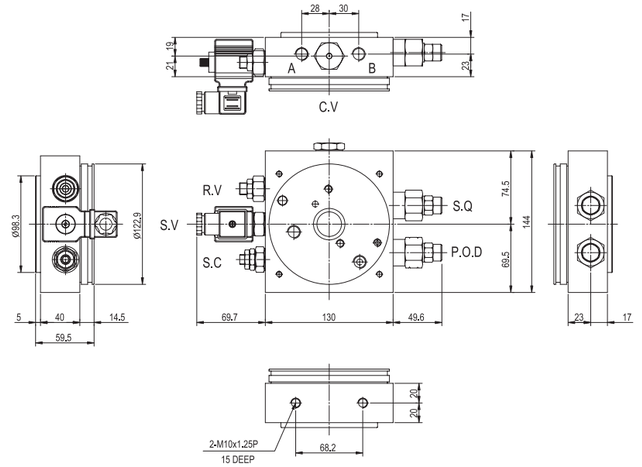
## 16 Special application for Dock leveler

Motor code — XX (Design code) — ② A / B / C — Pump code — X (Maker) — Mounting code

Tank code (X-series) — Built in code — ⑦ D

**A**

### Dock leveler center block DL ②

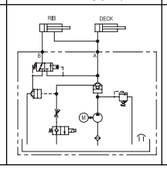
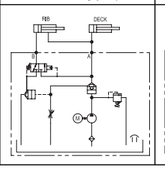
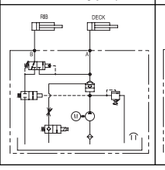
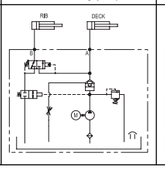
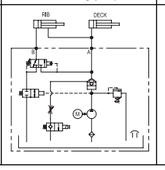
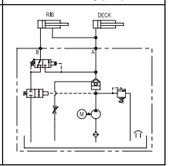



C.V = CHECK VALVE
R.V = RELIEF VALVE
S.V = SOLENOID VALVE
O.R = ORIFICE
S.C = SPEED CONTROL VALVE
P.O.D = PILOT OPERATED DIRECTIONAL VALVE
S.Q = SEQUENCE VALVE
A,B = PF1/4"

| C | Relief valve |
|---|---|
| Code | Pressure range |
| L | 3 ~ 10 bar |
| A | 5 ~ 50 bar |
| B | 30 ~ 120 bar |
| C | 80 ~ 250 bar |

**B**

### Dock leveler Diagram

| Code | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Type | Double acting cylinder (Emergency valve type) | Double acting cylinder (No emergency valve type) | Single acting cylinder (Emergency valve type) | Single acting cylinder (No emergency valve type) | Double acting cylinder (Emergency valve type) | Double acting cylinder (No emergency valve type) |
| Diagram |  |  |  |  |  |  |

Ordering sample (Emergency valve type)

T41556-HD-DL5A-GO21-X-HPCX-XR05-SC41-H2

① ② ③ ④ ⑤ ⑥ ⑦

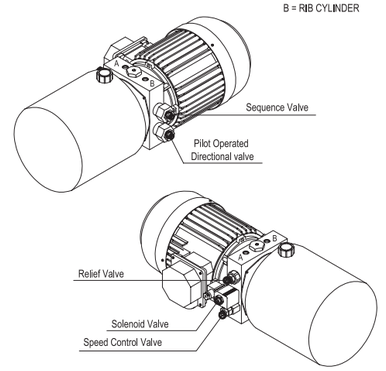
| Example | | |
|---|---|---|
| Motor | | AC230/400V, 1.5kW, 50/60Hz |
| Center block | Emergency type | No.5 Diagram |
| | No emergency type | No.6 Diagram |
| Pump | | 2.1 CC/REV |
| Tank | | Round 5L |
| Emergency valve | | AC220V |
| Orifice | | Ø 1.5 |

Ordering sample (No emergency valve type)

T41556-HD-DL6A-GO21-X-HPCX-XR05-NNNN-H2

① ② ③ ④ ⑤ ⑥ ⑦

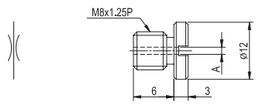
A = DECK CYLINDER
B = RIB CYLINDER



**D ⑦**

### Orifice Diagram & Dimension

| Code | H1 | H2 | H3 |
|---|---|---|---|
| A (Ø) | Ø1 | Ø1.5 | Ø1.8 |




**Note** Dock leveler power pack can be assembled with only X-series oil tank.