

NACHI

FLOW CONTROL
MODULAR VALVE

FLOW CONTROL MODULAR
VALVE(압력·온도 보상기구 갖춤)

20~200 ℓ/min
21,25,35MPa



특징

- ①ACTUATOR의 속도제어에 사용하는 유량조정 VALVE를 MODULAR화한 VALVE입니다.
- ②A, B 양 PORT 제어, A 또는 B-PORT 제어 및 P- PORT 제어의 품
- ③압력의 변동에도 제어유량이 변동하지 않도록 압력보상기구를 갖추었습니다.
- ④유온의 변동에도 제어유량은 안정됩니다.
- ⑤최고사용압력은 21, 25, 35MPa{214, 255, 357kgf/cm²}입니다.

사양

형식	호칭경 (SIZE)	최고사용압력 MPa{kgf/cm ² }	최대유량 ℓ/min	압력조정범위 MPa{kgf/cm ² }	질량 kg	GASKET 면 치수	
OF-G01-P20-20	1/8	21{214}	0.1~20(차압: 7MPa{71.4kgf/cm ² }) 0.3~20(차압:21MPa{214kgf/cm ² })	-	1.2	ISO 4401-03-02-0-94	
OCF-G01-W40-X-30 A40 B40			25{255}	0.1~40(차압: 7MPa{71.4kgf/cm ² }) 0.5~40(차압:25MPa{255kgf/cm ² })	0.08{0.8}		1.7
OCF-G01-W40-Y-30 A40 B40					0.08{0.8}		1.5
OF-G03-P60-J50	3/8	25{255}	0.3~60(차압: 7MPa{71.4kgf/cm ² }) 0.5~60(차압:25MPa{255kgf/cm ² })	-	3.1	ISO 4401-05-04-0-94	
OCF-G03-W60-X-J50 A60 B60			0.5~60(차압: 7MPa{71.4kgf/cm ² }) 1~60(차압:25MPa{255kgf/cm ² })	0.1{1.0}	5.0		
OCF-G03-W60-Y-J50 A60 B60				0.1{1.0}	4.6		
OFH-G04-W200-X-10 A200 B200	1/2	35{357}	10~200(차압:21MPa{214kgf/cm ² }) 15~200(차압:25MPa{255kgf/cm ² }) 20~200(차압:35MPa{357kgf/cm ² })	0.1{1.0}	11.1	ISO 4401-07-06-0-94	
OFH-G04-W200-Y-10 A200 B200					10.2		
					11.1		
					10.2		

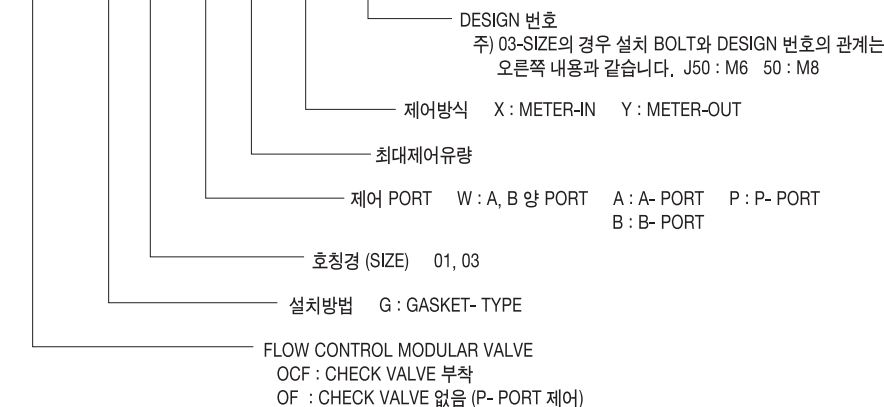
●취급

- ①유량제어는 입구와 출구의 압력차를 1MPa{10.2kgf/cm²}이상에서 실행하십시오. OCF-G01, OFH-G04의 최대 제어유량은 유량-최소차압특성을 참조하십시오.
- ②유량조정 KNOB를 왼쪽으로 돌리면 제어유량이 증가합니다.
- ③압력이 높아지면 유량조정 KNOB가 무거워집니다만, KNOB에 스페너 등으로 돌리지 마십시오. KNOB 단면중심에 6각형 렌치 홀이 가공되어 있으므로 5mm의 6각 렌치로 돌려주십시오.
- ④SUB-PLATE 및 설치 BOLT는 포함되어 있지 않으므로 필요한 경우에는 D-90~D-95 페이지에 의해 지정해 주십시오.
- ⑤04- SIZE MODULAR VALVE에는 DRAIN-PORT(DR₂)가 설치되어있지 않으므로, PRESSURE CENTER TYPE SOLENOID VALVE(D-TYPE)와 조합해서 사용할 수 없습니다.
- ⑥온도범위 20℃~60℃에 있어서 유량 변동은 ±5% 이내입니다.

형식설명

01, 03 SIZE

OCF - G 03 - W 60 - Y - J50

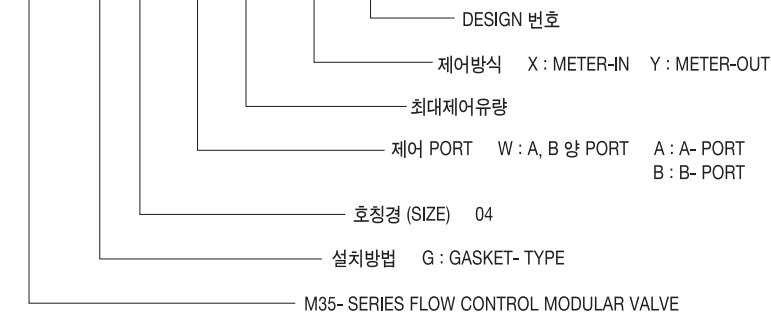


D MODULAR VALVE

형식설명

04- SIZE

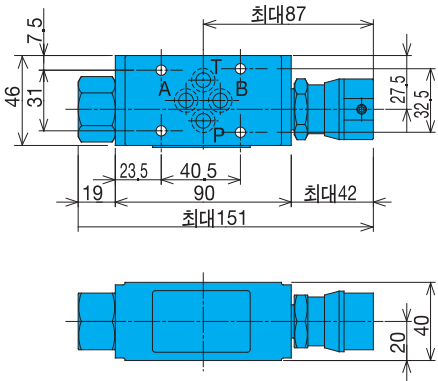
OFH - G 04 - W 200 - Y - 10



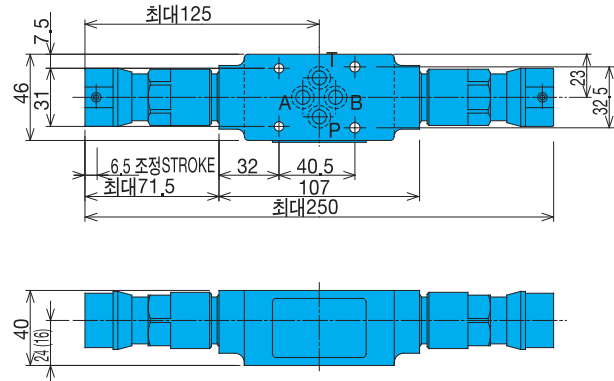
설치치수도

주) 유량조정 KNOB는 좌로 돌리면 제어유량이 증가합니다.

OF-G01-P20-20

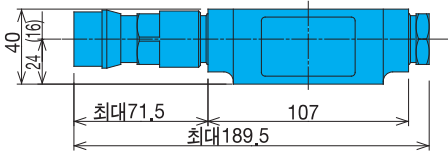


OCF-G01-W40-X/Y-30



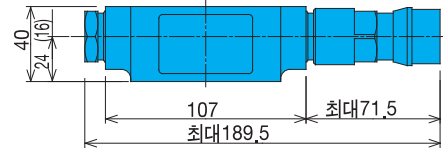
주) () 안의 치수는 OCF-G01-W40-X-30의 경우입니다.

OCF-G01-A40-X/Y-30



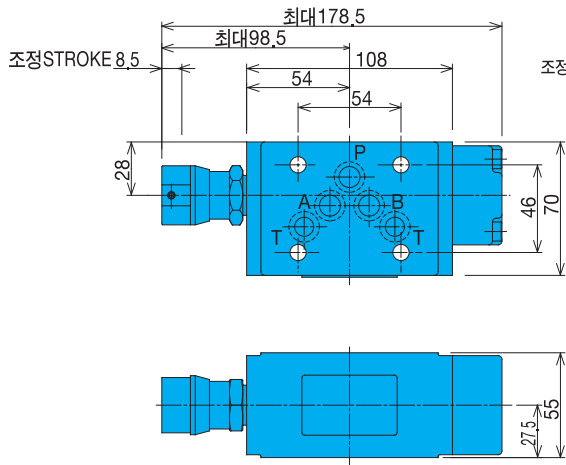
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OCF-G01-B40-X/Y-30

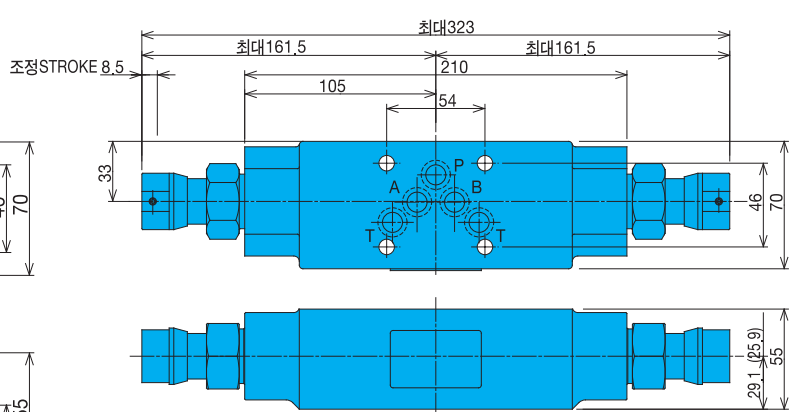


주) () 안의 치수는 OCF-G01-B40-X-30의 경우입니다.

OF-G03-P60-J50



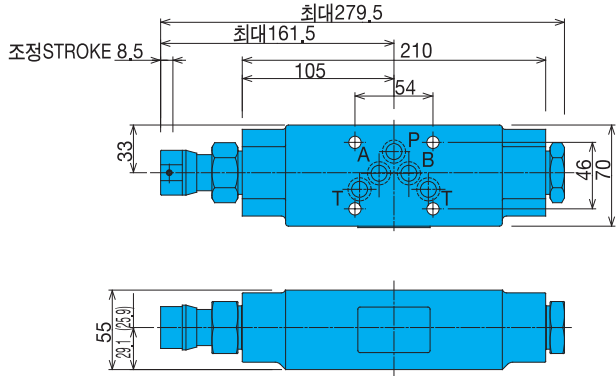
OCF-G03-W60-X/Y-J50



주) () 안의 치수는 OCF-G03-W60-X-J50의 경우입니다.

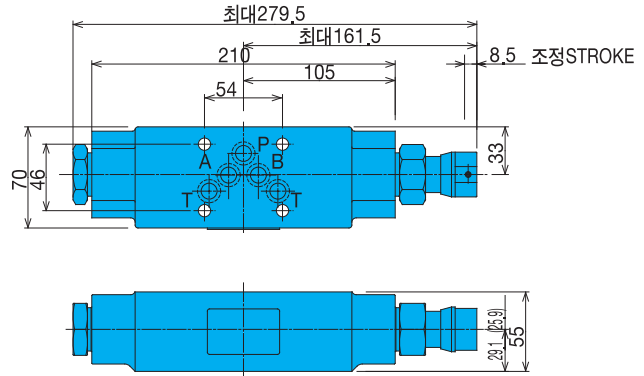
D MODULAR VALVE

OCF-G03-A60-X/Y-J50



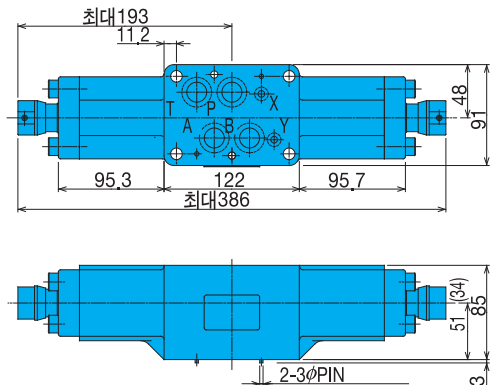
주) () 안의 치수는 OCF-G03-A60-X-J50의 경우입니다.

OCF-G03-B60-X/Y-J50



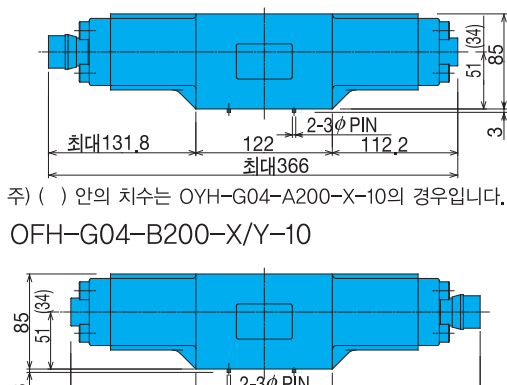
주) () 안의 치수는 OCF-G03-B60-X-J50의 경우입니다.

OFH-G04-W200-X/Y-10



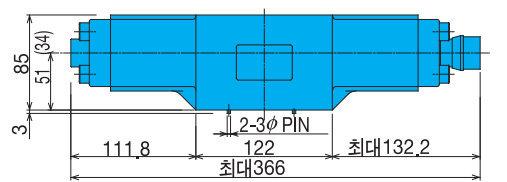
주) () 안의 치수는 OFH-G04-W200-X-10의 경우입니다.

OFH-G04-A200-X/Y-10



주) () 안의 치수는 OFH-G04-A200-X-10의 경우입니다.

OFH-G04-B200-X/Y-10



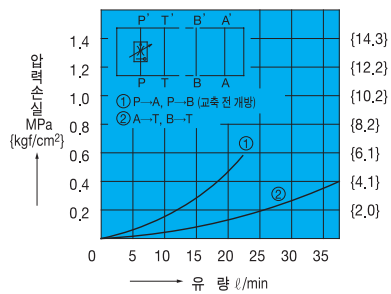
주) () 안의 치수는 OFH-G04-B200-X-10의 경우입니다.

성능곡선

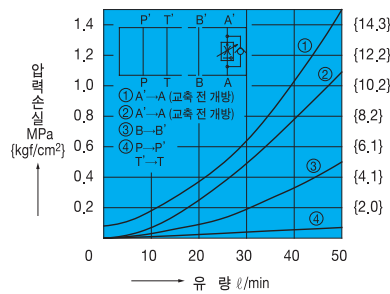
작동유 동점도 32mm²/s

압력손실 특성

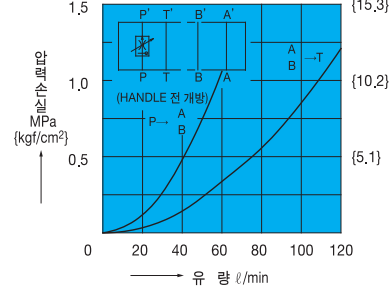
OF-G01-P20-20



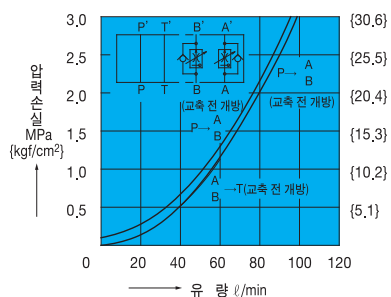
OCF-G01-A40-Y-30



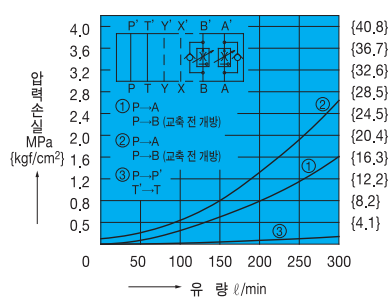
OF-G03-P60-J50



OCF-G03-W60-Y-J50

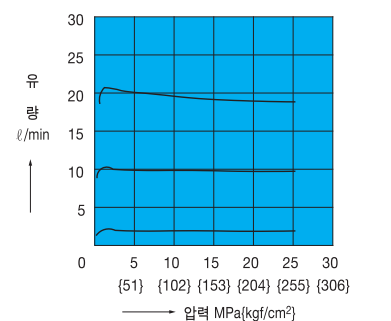


OFH-G04-W200-Y-10



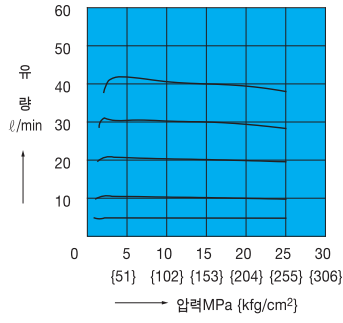
압력-제어유량특성

OF-G01-P20-20

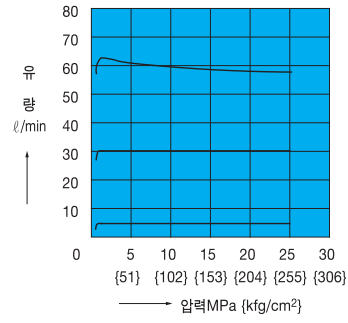




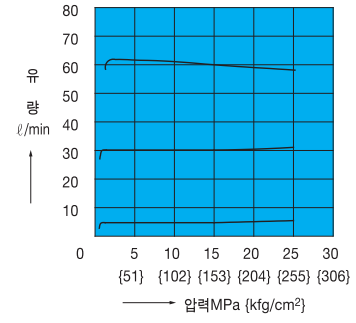
OCF-G01-*40-*30



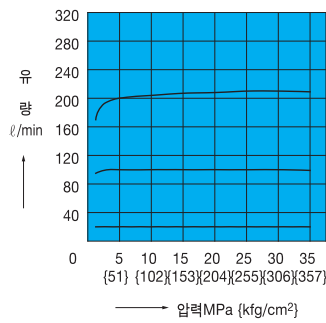
OF-G03-P60-J50



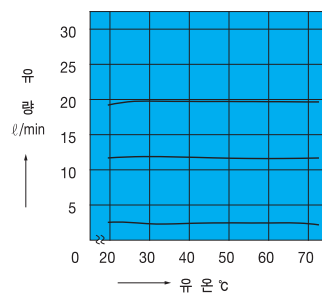
OCF-G03-W60-*J50



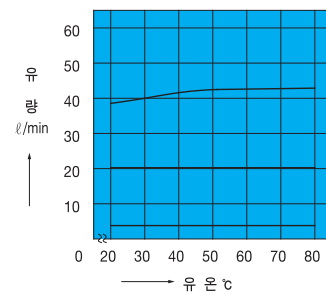
OFH-G04-W200-*10



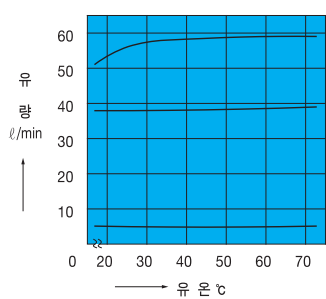
유온-제어유량특성
OF-G01-P20-20



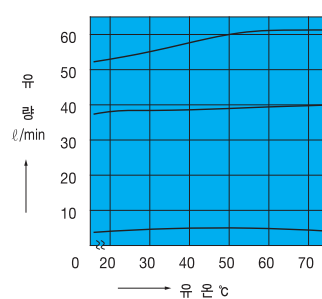
OCF-G01-*40-*30



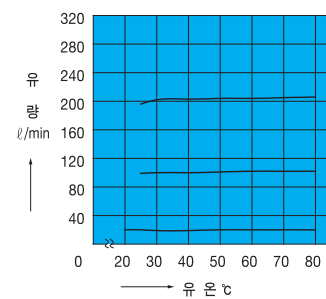
OF-G03-P60-J50



OCF-G03-W60-*J50

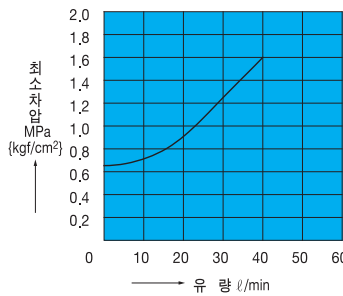


OFH-G04-W200-*10

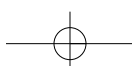
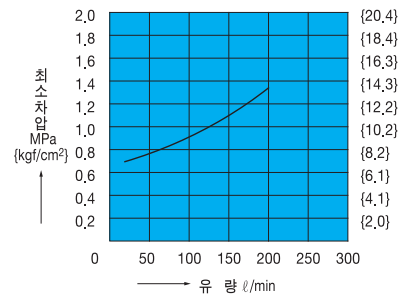


유량-최소차압특성

OCF-G01-*40-*30

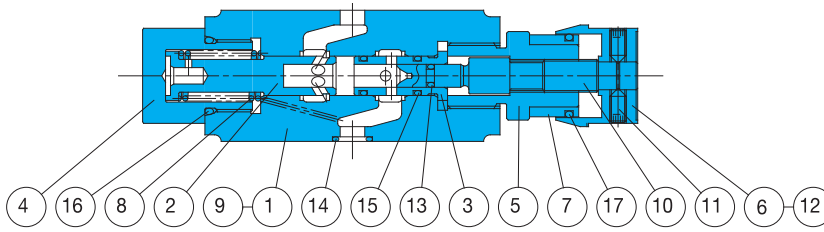


OFH-G04-W200-Y-10



단면구조도

OF-G01-P20-20



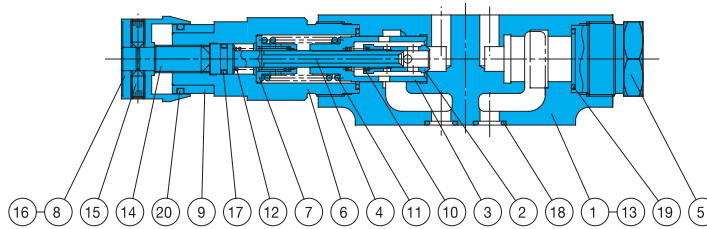
SEAL 부품일람표 (KIT 형식 BFBS-O1FP)

품번	부품명칭	부품형식번호	개수	
			W	P
13	O-RING	1B-P4		1
14	O-RING	1B-P9		4
15	O-RING	1B-P9		2
16	O-RING	1B-P20		1
17	O-RING	1A-P22		1

주) O-RING은 1A/B-**는 JIS B2401-A/B-**를 나타냅니다.

품번	부품명칭
1	BODY
2	PISTON
3	SLEEVE
4	BUSHING
5	RETAINER
6	KNOB
7	DIAL
8	SPRING
9	PLATE
10	SCREW
11	SCREW
12	SCREW
13	O-RING
14	O-RING
15	O-RING
16	O-RING
17	O-RING

OCF-G01-A40-Y-30



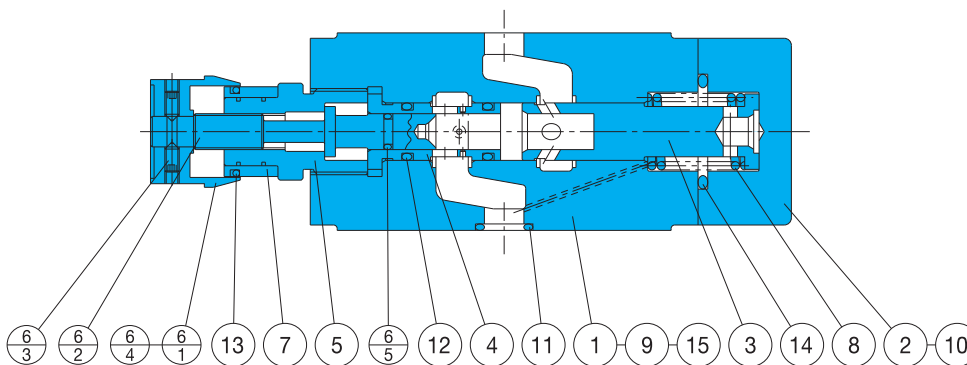
SEAL 부품일람표 (KIT 형식 BFCS-O1CF*)

품번	부품명칭	부품형식번호	개수		
			W	A	B
17	O-RING	1A-P8	2	1	1
18	O-RING	1B-P9	4	4	4
19	O-RING	AS568-018(Hs90)	2	2	2
20	O-RING	1A-P21	1	1	1

주) 1. O-RING은 1A/B-**는 JIS B2401-A/B-**를 나타냅니다.
2. KIT 형식의 *표시는 W, A, B중에 어느 것이든지 지정해 주시기 바랍니다.

품번	부품명칭
1	BODY
2	THROTTLE
3	PISTON
4	ROD
5	BUSHING
6	RETAINER
7	GUIDE
8	KNOB
9	DIAL
10	SPRING
11	SPRING
12	SPRING
13	PLATE
14	SCREW
15	SCREW
16	SCREW
17	O-RING
18	O-RING
19	O-RING
20	O-RING

OF-G03-P60-J50



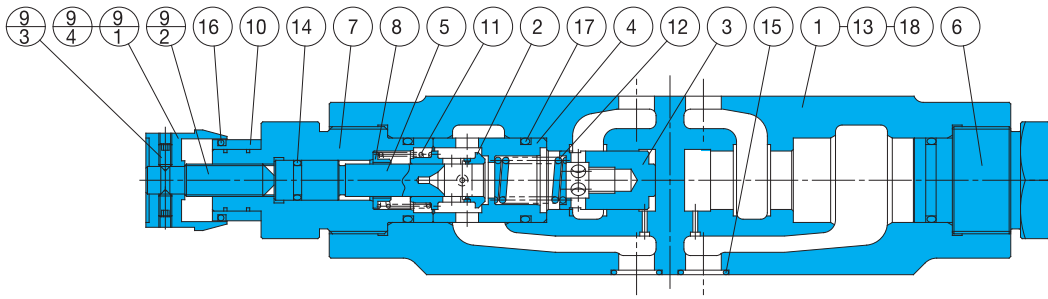
SEAL 부품일람표 (KIT 형식 BFES-O3FP)

품번	부품명칭	부품형식번호	개수
6-5	O-RING	1A-P7	1
11	O-RING	AS568-014(Hs90)	5
12	O-RING	1B-P12	2
13	O-RING	1A-P21	1
14	O-RING	1B-P26	1

주) 1. O-RING은 1A/B-**는 JIS B2401-A/B-**를 나타냅니다.

품번	부품명칭
1	BODY
2	COVER
3	PISTON
4	SLEEVE
5	RETAINER
6	SCREW KIT
6-1	KNOB
6-2	SCREW
6-3	SCREW
6-4	SCREW
6-5	O-RING
7	DIAL
8	SPRING
9	PLATE
10	SCREW
11	O-RING
12	O-RING
13	O-RING
14	O-RING
15	PIN

OCF-G03-A60-Y-J50



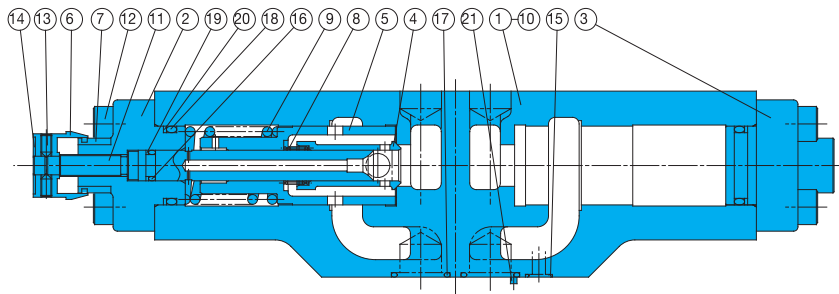
품번	부품명칭
1	BODY
2	THROTTLE
3	PISTON
4	SLEEVE
5	ROD
6	BUSHING
7	RETAINER
8	GUIDE
9	SCREW KIT
9.1	KNOB
9.2	SCREW
9.3	SCREW
9.4	SCREW
10	DIAL
11	SPRING
12	SPRING
13	PLATE
14	O-RING
15	O-RING
16	O-RING
17	O-RING
18	O-RING PIN

SEAL 부품일람표 (KIT 형식 BFES-O3CF*)

품번	부품명칭	부품형식번호	개수		
			W	A	B
14	O-RING	1A-P10	2	1	1
15	O-RING	AS568-014(Hs90)	5	5	5
16	O-RING	1A-P21	2	1	1
17	O-RING	1B-P22	4	3	3

주) 1. O-RING은 1A/B-**는 JIS B2401-A/B-**를 나타냅니다.
 2. KIT 형식의 *표시는 W, A, B중에 어느 것이든지 지정해 주시기 바랍니다.

OFH-G04-A200-Y-10



품번	부품명칭
1	BODY
2	COVER
3	COVER
4	THROTTLE
5	PISTON
6	KNOB
7	DIAL
8	SPRING
9	SPRING
10	PLATE
11	SCREW
12	SCREW
13	SCREW
14	SCREW
15	O-RING
16	O-RING
17	O-RING
18	O-RING
19	BACK-UP RING
20	BACK-UP RING
21	PIN

SEAL 부품일람표 (KIT 형식 BFKS-O4CF*)

품번	부품명칭	부품형식번호	개수		
			W	A	B
15	O-RING	AS568-012(Hs90)	2	2	2
16	O-RING	1B-P10A	2	1	1
17	O-RING	AS568-118(Hs90)	4	4	4
18	O-RING	1B-P30	2	2	2
19	BACK-UP RING	T2-P10A	2	1	1
20	BACK-UP RING	T2-P30	2	2	2

주) 1. O-RING은 1A/B-**는 JIS B2401-A/B-**를 나타냅니다.
 2. BACK-UP RING은 JIS B2407-T2-**를 나타냅니다.
 3. KIT 형식의 *표시는 W, A, B중에 어느 것이든지 지정해 주시기 바랍니다.