ADEX MFO-A20G, A20F

Individual Wiring Type Manifold
Bar Type

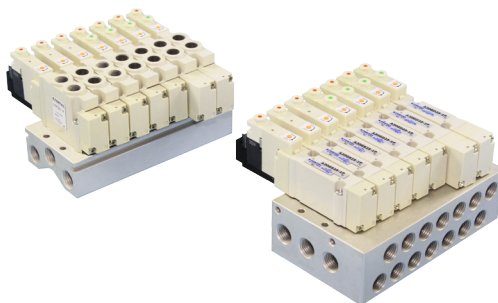**MFS□-A20G**
Common SUP, common exhaust,
ports 2 & 4 on the side
MFX□-A20G
Common SUP, common exhaust,
common external pilot, ports 2 & 4 on
the side
MFU□-A20F
Common SUP, common exhaust,
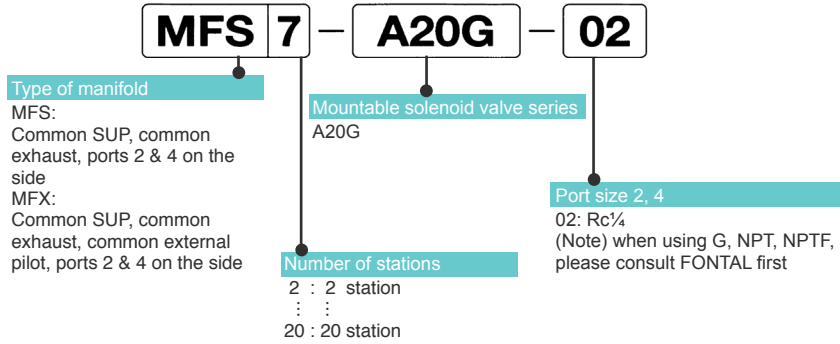ports 2 & 4 on the valve body

Manifold Specifications

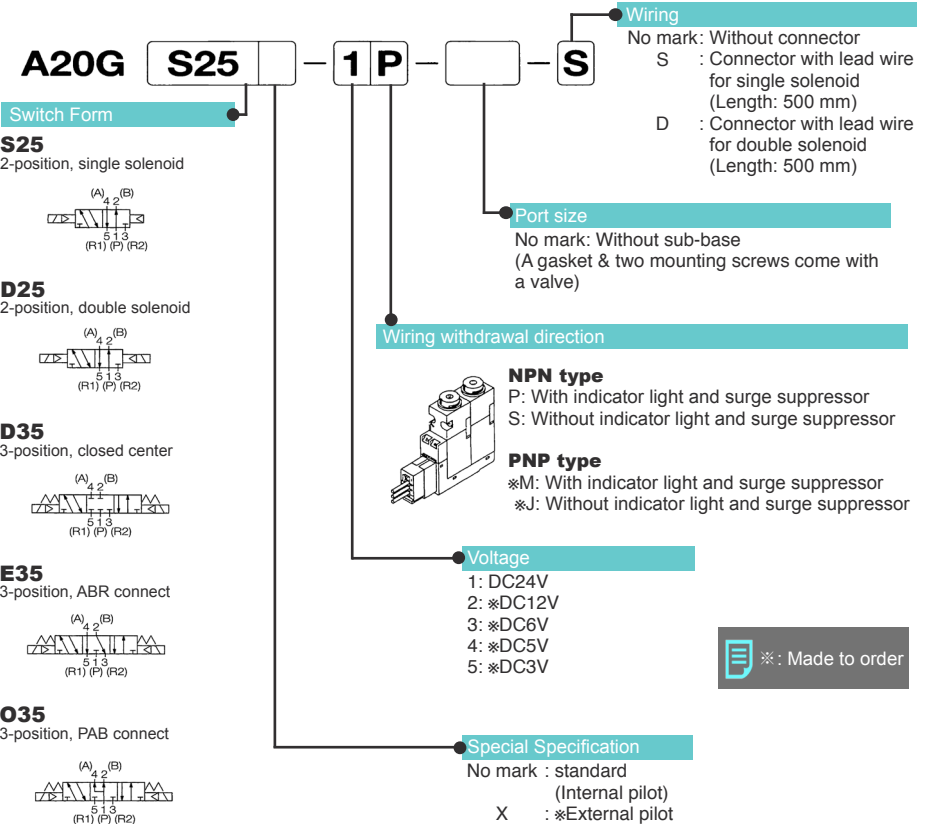| Type of manifold		For A20G Series		For A20F Series
		MFS□-A20G	MFX□-A20G	MFU□-A20F
		Common SUP, common exhaust, pilot valve captured exhaust, ports 2 & 4 on the side	Common SUP, common exhaust, common external pilot, pilot valve captured exhaust, ports 2 & 4 on the side	Common SUP, common exhaust, pilot valve captured exhaust, ports 2 & 4 on the valve body
Port size	Ports 1, 3, 5	Rc¼	Rc¼	Rc¼
	Ports 2, 4	Rc¼	Rc¼	Rc¼
	Port Y	—	M5	—
	Port X	—	M5	—
Number of stations		2~20		
Installation		Direct mount		
Mountable solenoid valve		A20GS25 A20GD25 A20GD35 A20GE35 A20GO35	A20GS25X A20GD25X A20GD35X A20GE35X A20GO35X	A20FS25 A20FD25 A20FD35 A20FE35 A20FO35
Blank plate		A20P-BP		A20R-BP

Tagging method
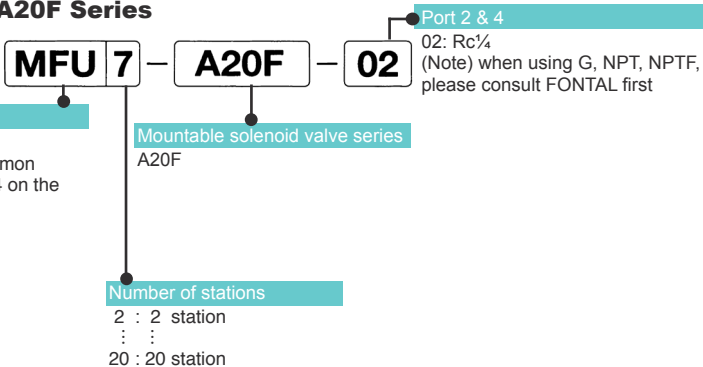● Specify the type and number of manifolds and solenoid valves, as well as number of blank plate if needed.
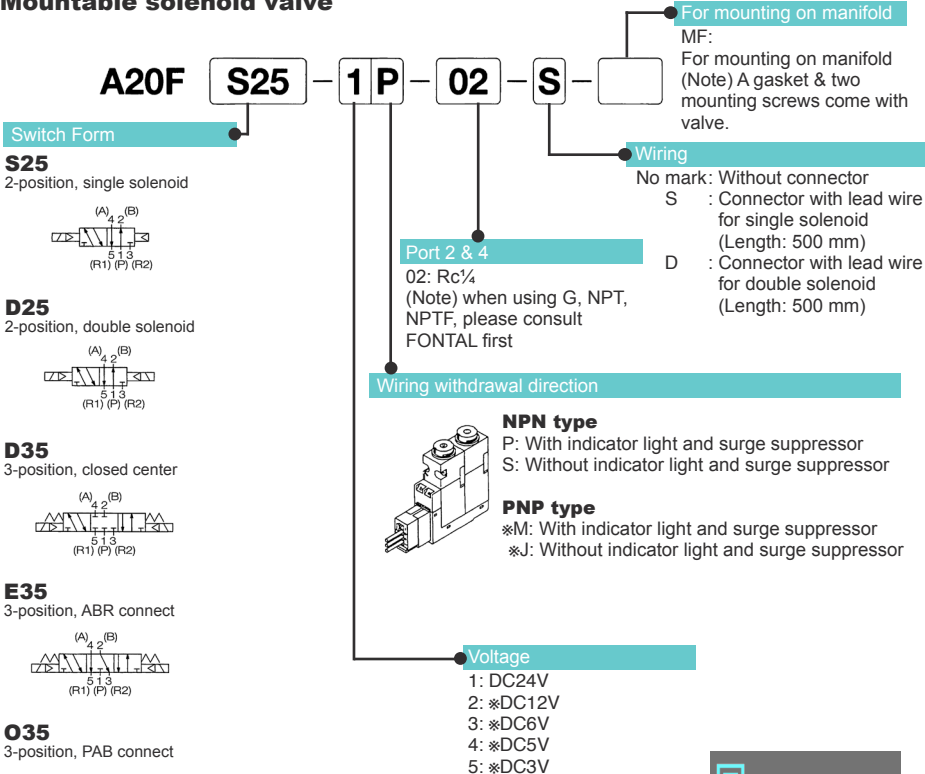
FONTAL

Manifold for A20G Series

MFS 7 — A20G — 02

Type of manifold
MFS:
Common SUP, common exhaust, ports 2 & 4 on the side
MFX:
Common SUP, common exhaust, common external pilot, ports 2 & 4 on the side

Mountable solenoid valve series
A20G

Port size 2, 4
02: Rc¼
(Note) when using G, NPT, NPTF, please consult FONTAL first

Number of stations
2 : 2 station
⋮ : ⋮
20 : 20 station

Mountable solenoid valve

A20G S25 ☐ — 1 P — ☐ — S

Wiring
No mark: Without connector
S : Connector with lead wire for single solenoid (Length: 500 mm)
D : Connector with lead wire for double solenoid (Length: 500 mm)

Switch Form

S25
2-position, single solenoid

(A) 4 2 (B)
(R1) 5 1 3 (P) (R2)

D25
2-position, double solenoid

(A) 4 2 (B)
(R1) 5 1 3 (P) (R2)

D35
3-position, closed center

(A) 4 2 (B)
(R1) 5 1 3 (P) (R2)

E35
3-position, ABR connect

(A) 4 2 (B)
(R1) 5 1 3 (P) (R2)

O35
3-position, PAB connect

(A) 4 2 (B)
(R1) 5 1 3 (P) (R2)

Port size
No mark: Without sub-base
(A gasket & two mounting screws come with a valve)

Wiring withdrawal direction

NPN type
P: With indicator light and surge suppressor
S: Without indicator light and surge suppressor

PNP type
※M: With indicator light and surge suppressor
※J: Without indicator light and surge suppressor

Voltage
1: DC24V
2: ※DC12V
3: ※DC6V
4: ※DC5V
5: ※DC3V

※ : Made to order

Special Specification
No mark : standard (Internal pilot)
X : ※External pilot

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A137

Manifold for A20F Series

MFU **7** — **A20F** — **02**

Type of manifold
MFU:
Common SUP, common exhaust, ports 2 & 4 on the valve body

Number of stations
2 : 2 station
⋮ ⋮
20 : 20 station

Mountable solenoid valve series
A20F

Port 2 & 4
02: Rc¼
(Note) when using G, NPT, NPTF, please consult FONTAL first

Mountable solenoid valve

A20F **S25** — **1** **P** — **02** — **S** — ☐

Switch Form

S25
2-position, single solenoid

D25
2-position, double solenoid

D35
3-position, closed center

E35
3-position, ABR connect

O35
3-position, PAB connect

For mounting on manifold
MF:
For mounting on manifold
(Note) A gasket & two mounting screws come with valve.

Wiring
No mark: Without connector
S : Connector with lead wire for single solenoid (Length: 500 mm)
D : Connector with lead wire for double solenoid (Length: 500 mm)

Port 2 & 4
02: Rc¼
(Note) when using G, NPT, NPTF, please consult FONTAL first

Wiring withdrawal direction

NPN type
P: With indicator light and surge suppressor
S: Without indicator light and surge suppressor

PNP type
✻M: With indicator light and surge suppressor
✻J: Without indicator light and surge suppressor

Voltage
1: DC24V
2: ✻DC12V
3: ✻DC6V
4: ✻DC5V
5: ✻DC3V

✻: Made to order

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Connector with lead wire

A 0 5 G S - D C - C L 5 - M

Polarity
No mark: NPN type
M : ※PNP type

Lead wire length
5 : 500mm
10: ※1000mm

Voltage
DC: For DC

Type
GS : For GF type
single solenoid
GD : For GF type
double solenoid

For GF type single solenoid

For GF type double solenoid

(For common use with GF type of A05, A12, and A20)
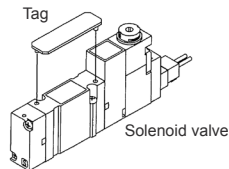
Locking cover

A 0 5 P — L A

Color
A: Orange
(For solenoid A side)
B: Green
(For solenoidx B side)

(For common use with all
A05, A12, and A20)

Tag for solenoid valve

A 0 5 P — N (Pack of 10)

Tag

Solenoid valve

(For common use with sub-base mounting type of
A05, A12, and A20)

Blank plate

For A20G
A 2 0 P — B P

Mounting screw

Blank plate
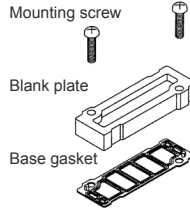
Base gasket

(For common use with
A20P)

For A20F
A 2 0 R — B P

Mounting screw
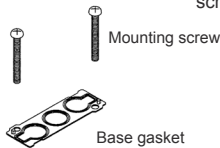
Blank plate
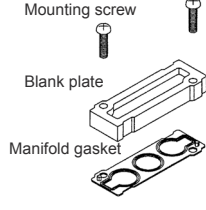
Manifold gasket

(For common use with
A20R)

Manifold gasket

A 2 0 R — G

Content of kit
SG : Gasket &
mounting screws
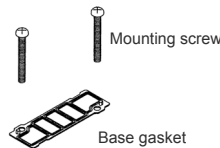G : Only gasket (Pack
of 10)
S : Only mounting
screw (Pack of 20)

Mounting screw

Base gasket

(For common use with A20R)

Base gasget

A 2 0 P X — G

Special Specifications
No mark: Standard
X : For external
pilot (with
port X)

Content of kit
SG : Gasket &
mounting screws
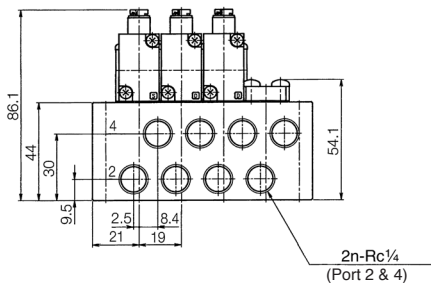G : Only gasket (Pack
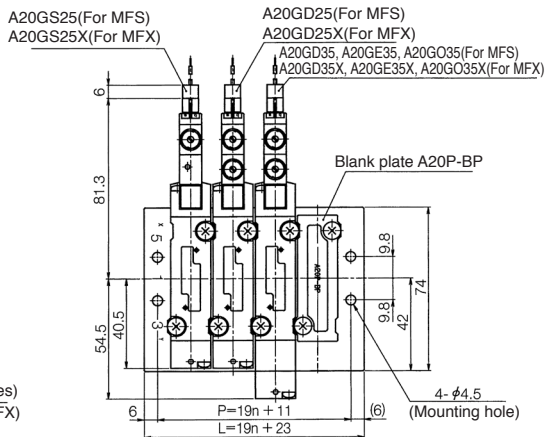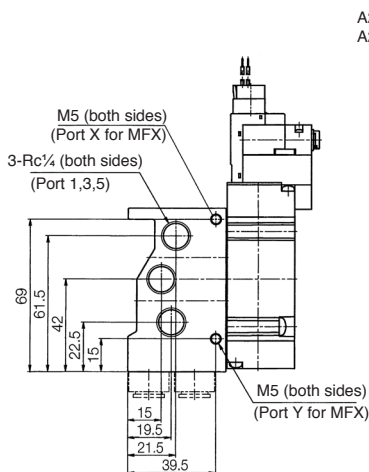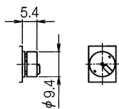of 10)
S : Only mounting
screw (Pack of 20)

Mounting screw

Base gasket

(For common use with A20P)

※: Made to order

MFS□-A20G-02, MFX□-A20G-02 (Unit: mm)

Manual locking cover

5.4
φ9.4

A20GS25(For MFS)
A20GS25X(For MFX)

A20GD25(For MFS)
A20GD25X(For MFX)
A20GD35, A20GE35, A20GO35(For MFS)
A20GD35X, A20GE35X, A20GO35X(For MFX)

M5 (both sides)
(Port X for MFX)

3-Rc¼ (both sides)
(Port 1,3,5)

Blank plate A20P-BP

M5 (both sides)
(Port Y for MFX)

69
61.5
42
22.5
15

15
19.5
21.5
39.5

6
81.3
54.5
40.5

5
3

9.8
74
9.8
42

6
P=19n + 11
L=19n + 23
(6)

4- φ4.5
(Mounting hole)

86.1
44
30
9.5

4
2

2.5
21
8.4
19

54.1

2n-Rc¼
(Port 2 & 4)

MFU□-A20F-02 (Unit: mm)

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Manual locking cover

5.4
φ9.4

A20FS25
A20FD25
A20FD35, A20FE35, A20FO35

6

81.3

3-Rc¼(both sides)
(Port 1,3,5)

19.5
19.5
19.5

10.5
18
74

2n-Rc¼
(Port 2 & 4)
Blank plate A20R-BP

9.5
5
9.8

9.5
3
9.8
29
58

54.5
40.5

4-φ4.5
(Mounting hole)

6
P=19n + 11
(6)
L=19n + 23

74
27.5
37.6

21
19