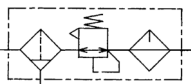


B.L. Air Combination Unit / U45, U55, U105

JIS Symbol



Pressure gauges in the photo are optional.

Representation

U 4 5 L D - 0 3 N Y G B S

Model No.

U45, U55, U105

Pressure adjustment range

No mark : 0.03 ~ 0.8MPa
L : 0.02 ~ 0.42MPa

Material of cup

No mark : Plastic bowl
D : Metal bowl without mark

Port size

02 : Rc $\frac{1}{4}$
03 : Rc $\frac{3}{8}$
04 : Rc $\frac{1}{2}$
06 : Rc $\frac{3}{4}$



Bracket

No mark : No bracket
BS : Direct mounting bolt
BM : Both sides
BF : Rear side

Pressure gauge

No mark : No pressure gauge
G : Pressure gauge

Way of water discharge

No mark : Manual drain
Y : Spring drain
S : Drainmaster
M : Automatic drain

(Note) U45 has no automatic discharge type

Filtration rate

No mark : 5 μ m
N : 20 μ m (45)
J : 40 μ m (55, 105)

Specifications

Model No.	Unit	U45	U55	U105
Port size		Rc¼	Rc¼, ⅜, ½	Rc½, ¾
Pressure gauge connecting port		Rc⅝		
Filter rating	μm	5 (N : 20)	5 (J : 40)	
Reduced pressure range	MPa (kgf/cm ²)	0.03~0.8 [0.3~8] (L : 0.02 ~ 0.42 [0.2 ~ 4.2])		
Max. operating pressure	MPa (kgf/cm ²)	1 [10] (D : 1.4 [14])		
Surrounding temperature range	°C	5~50 (D : 5 ~ 65)		
Filter bowl capacity	cm ³	22	47	140
Lubricator bowl capacity (Oil)	cm ³	43	78	240
Min. flow rate of dripping	l/min (ANR)	50	50	80
Weight	kg	0.48	0.65	1.30
Recommended oil		(ISOVG32)		

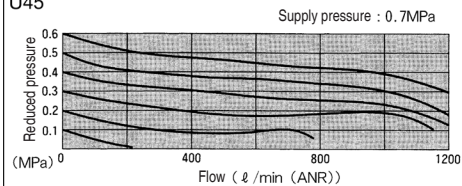
Components and Parts

Name	Quantity	U45	U55	U105	Material
Integral filter-regulator	1	B45 - 02, 03	B55 - 02, 03, 04	B105 - 04, 06	—
Air lubricator	1	L45 - 02, 03	L55 - 02, 03, 04	L105 - 04, 06	—
Joint O-ring	1	AS568 - 017	JASO - 1021	AS568 - 120	NBR
Joint bolt	2	M4×0.7×10	M5×0.8×12	M6×1.0×15	SC

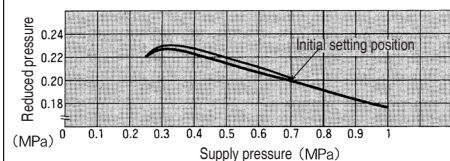
Flow characteristics & Pressure characteristics

(Unit : mm)

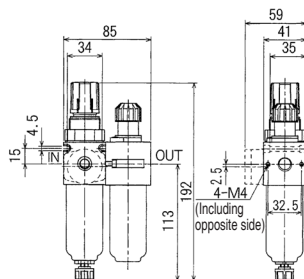
U45



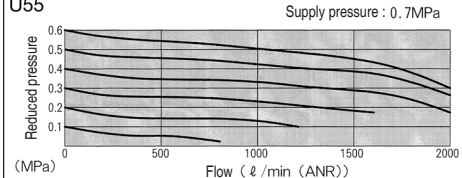
U45



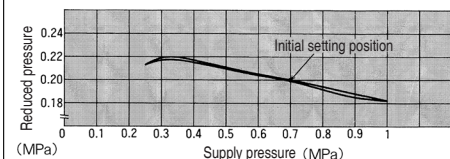
U45



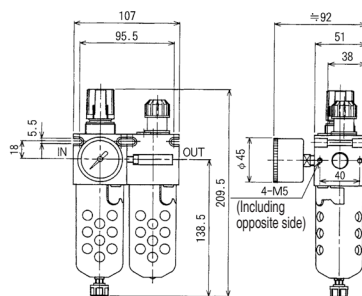
U55



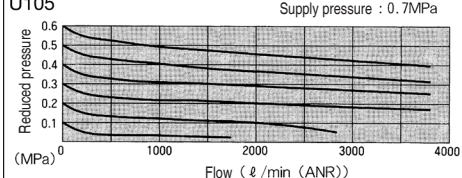
U55



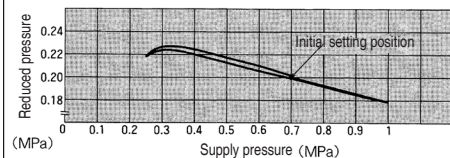
U55



U105



U105



U105

