

AL TYPE 20 (Universal purpose couplings)

Low Pressure, Single valve Type

- Widely used and accepted couplings for air line connection.
- Socket have automatic shut-off valve so that fluid in the socket will not run out on disconnection.
- Important steel parts are hardened for high durability.



Note:

- Types 20 (21, 22, 23 and 24 types) are interchangeable and types 40 are the same, but not interchangeable between 20 and 40.
- Packing materials should be selected for the applicable fluid.

Caution:

- Fluid should flow from socket to plug; in the opposite use, Please advise as "W TYPE".
- Scraps of the seal tape and dust causes fluid leakage. Be careful not to stick them to the couplings.
- Do not impact, hit, pull or bent. Don't dismantle. It causes damage to the coupling.

Specification

Model	21	22	23	24
Nominal size	1/8"	1/4"	3/8"	1/2"
Nominal pipe size (mm)	6	8	10	15
Body material	Steel (Chrome-plated), Brass, Stainless steel (SUS304, SUS303)			
Connection	Female thread (F), Male thread (M), Hose nipple (H), Polyurethane coil tube connection (A,B)			
Packing material	Standard	Nitrile rubber (NBR) : -20°C to + 80°C		
	Option	Fluororubber (FPM) : -20°C to + 180°C		
Normal pressure, Max. pressure	Steel, Stainless steel	Normal pressure 1.5MPa, Max. pressure 2.0MPa		
	Brass	Normal pressure 1.0MPa, Max. pressure 1.5MPa		
Applicable fluid	Steel	Air, Oil, etc.		
	Brass, Stainless steel	Air, Water, etc.		

Flow's smallest area

Model	21PH	21PM	21PF	21PA	22PH	22PM,F	22PA	22PB	23PH,M,F,A	24PH,M,F,A
21SH	16	13	16	12.5	16	16	16	16	16	16
21SM	13	13	13	12.5	13	13	13	13	13	13
21SF	16	13	34	12.5	21	34	18	22	34	34
21SA	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
22SH	16	13	21	12.5	21	21	18	21	21	21
22SM,F	16	13	34	12.5	21	34	18	22	34	34
22SA	16	13	18	12.5	18	18	18	18	18	18
22SB	16	13	22	12.5	21	22	18	22	22	22
23SH,M,F,A	16	13	34	12.5	21	34	18	22	34	34
24SH,M,F,A	16	13	34	12.5	21	34	18	22	34	34