

Typical ISO Cleanliness Level Range Numbers for System Components

16 / 14 / 11	Servo Valves	25µ Z-Glass	10µ Z-Glass	3µ Z-Glass	Recommended Media
17 / 15 / 12	Proportional Control Valves				
18 / 16 / 13	Vane & Piston Pumps/Motors Directional & Pressure Control Valves				
19 / 17 / 14	Gear Pumps/Motors				
20 / 18 / 15	Flow Control Valves Cylinders New Unused Fluid				

18 / 16 / 13

ISO 4406 Code Range Numbers

- └── Particles Larger than 14 micron (>14µ)
- └── Particles Larger than 6 micron (>6µ)
- └── Particles Larger than 4 micron (>4µ)

ISO 4406 RANGE NUMBERS		
Range Number	Number of Particles Per ml	
	More Than	Up to and including
24	80,000.00	160,000.00
23	40,000.00	80,000.00
22	20,000.00	40,000.00
21	10,000.00	20,000.00
20	5,000.00	10,000.00
19	2,500.00	5,000.00
18	1,300.00	2,500.00
17	640.00	1,300.00
16	320.00	640.00
15	160.00	320.00
14	80.00	160.00
13	40.00	80.00
12	20.00	40.00
11	10.00	20.00
10	5.00	10.00
9	2.50	5.00
8	1.30	2.50
7	0.64	1.30
6	0.32	0.64

Consult Manufacturer for Ordering Information