

FANPRO

ISO 4406





ISO Cleanliness Codes

International Standard ISO 4406

The International Organization for Standardization created the cleanliness code **4406:1999** to quantify **particulate contamination** levels per milliliter of fluid at three sizes: 4 μ [c], 6 μ [c], and 14 μ [c]. This ISO code is expressed in 3 numbers: 19/17/14. Each number represents a contaminant level code for the **correlating particle size**. The code includes all particles of the specified size and larger. It is important to note that each time a code increases the quantity range of particles *doubles*.

Particle concentration (nr. of particles per)			ISO range number
# per ml		# per 100 ML	
More than	u/i		
80000	160000	8M-16M	24
40000	80000	4M-8M	23
20000	40000	2M-4M	22
10000	20000	1M-2M	21
5000	10000	500K-1M	20
2500	5000	250K-500K	19
1300	2500	130K-250K	18
640	1300	64K-130K	17
320	640	32K-64K	16
160	320	16K-32K	15
80	160	8K-16K	14
40	80	4000-8000	13
20	40	2000-4000	12
10	20	1000-2000	11
5	10	500-1000	10
2,5	5	250-500	9
1,3	2,5	130-250	8
0,64	1,25	64-130	7
0,32	0,64	32-64	6