

FLUID CONTAMINATION

ISO 4406 CONTAMINATION CLASSIFICATION			NUMBER OF PARTICLES PER ML ABOVE SIZES 5 AND 15 µm			
PARTICLES per 100 ml		ISO code number	5 µm		15 µm	
Minimum	Maximum		More than	Up to	More than	Up to
80000	160000	24	5000	10000	1300	2500
40000	80000	23	5000	10000	160	320
20000	40000	22	2500	5000	640	1300
10000	20000	21	2500	5000	80	160
5000	10000	20				
2500	5000	19	1300	2500	320	640
1300	2500	18	1300	2500	40	80
640	1300	17				
320	640	16	640	1300	80	160
160	320	15	640	1300	10	20
80	160	14				
40	80	13	320	640	40	80
20	40	12	320	640	5	10
10	20	11				
5	10	10	160	320	20	40
2.5	5	9	160	320	2.5	5
1.3	2.5	8				
0.64	1.3	7	80	160	10	20
0.32	0.64	6	80	160	1.3	2.5
0.16	0.32	5				
0.08	0.16	4	40	80	5	10
0.04	0.08	3	40	80	1.3	2.5
0.02	0.04	2				
0.01	0.02	1	20	40	2.5	5
0.005	0.01	0	20	40	1.3	2.5
0.0025	0.005	0.9				
			10	20	1.3	2.5

The numbers shown in **BOLD** are the highest (worst) recommended levels of contamination permissible by filtration equipment for hydraulic systems using Tucson Hydrocontrols' valves and screw in cartridges.