

# UFO Filtration

- A DROP OF SUCCESS

## USE APV'S LATEST SOLUTION TO IMPROVE THE EFFICIENCY AND EXTEND THE LIFETIME OF YOUR HOMOGENISER

The UFO - Unit for Filtration of Oil - is a separate unit, which connects easily to the oil sump on gears and cranks. It contains all the necessary equipment for separation of water from the oil and fine filtration of the oil.

It is a well known fact that water as well as metal particles in the oil reduces the life of the components, increases the destruction of the basic oil, and increases the risk of unpredictable downtime of the machines. This new unit, the UFO, helps resolve the issues.

The UFO is a reliable and energy efficient system developed for post-mounting on systems containing oil. The UFO minimises the risk of damage to machine parts and extends service intervals.

Applications: Oil viscosities up to ISO VG 220.

### THE UFO

The UFO really is a stroke of genius and has a number of obvious advantages that can easily be applied to all homogenisers, pumps, and gear systems, not just APV equipment, e.g.:

- Extends the durability of the oil
- Extends the life of oil-lubricated parts such as bearings, gear-wheels, bushings, etc.
- Efficiently separates water and particles from oil in pumps, homogenisers, and gears
- Continuous operation or connection to the main motor
- Improved operation for all other filters in the system
- Prepared for post-mounting

### SO IF YOU HAVE PROBLEMS WITH:

- Reduced durability of the oil
- Reduced lubrication properties
- Water in the oil
- Short lifecycle of bearings, gear systems, oil pumps, or other components in contact with the oil
- Corrosion of components in contact with the oil
- Oxidation of the oil
- Slurry at the bottom of the frame

**- The solutions to your problem is The UFO**

## LIFE EXTENSION FACTOR\*

PPM\	2	3	4	5	6	7	8	9	10
50.000	12.500	6.500	4.500	3.125	2.500	2.000	1.500	1.000	782
25.000	6.250	3.250	2.250	1.563	1.250	1.000	750	500	391
10.000	2.500	1.300	900	625	500	400	300	200	156
5.000	1.250	650	450	313	250	200	150	100	78
2.500	625	325	225	156	125	100	75	50	39
1.000	250	130	90	63	50	40	30	20	16
500	125	65	45	625	500	400	300	200	156
260	63	33	23	16	13	10	8	5	4
100	25	13	9	6	5	4	3	2	2

1% WATER = 10.000 PPM

\*ESTIMATED LIFE EXTENSION FOR MECHANICAL SYSTEMS, USING MINERAL BASED OILS

## LIFE EXTENSION FACTOR FOR COMPONENTS

	2	3	4	5	6	7	8	9	10
26/23	23/21	22/19	21/18	20/17	20/17	19/16	19/16	18/15	18/15
25/22	23/19	21/18	20/17	19/16	19/15	18/15	18/14	17/14	17/14
24/21	21/18	20/17	19/16	19/15	18/14	17/14	17/13	16/13	16/13
23/20	20/17	19/16	18/15	17/14	17/13	16/13	16/12	15/12	15/11
22/19	19/16	18/15	17/14	16/13	16/12	15/12	14/11	14/11	14/10
21/18	18/15	17/14	16/13	15/12	15/11	14/11	14/10	13/10	13/10
20/17	17/14	16/13	15/12	14/11	13/11	13/10	13/9	12/9	12/8
19/16	16/13	15/15	14/11	13/10	13/9	12/9	12/8	11/8	11/8
18/15	15/12	14/11	13/10	12/9	12/8	11/8			
17/14	14/11	13/10	12/6	12/8	11/8				
16/13	13/10	12/9	11/8						
15/12	12/9	11/8							
14/11	11/8								
13/10	11/8								
12/9	11/8								

## TECHNICAL SPECIFICATIONS

- Power consumption: 0.25 kW, 50 Hz, 3x380 V
- Pump flow: 0.9 l/h Weight, excl. oil: 30 kgs
- Dimensions (HxWxL): 90x37x22 cm
- Enclosed in a stainless steel cabinet



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