

Fig.1-1

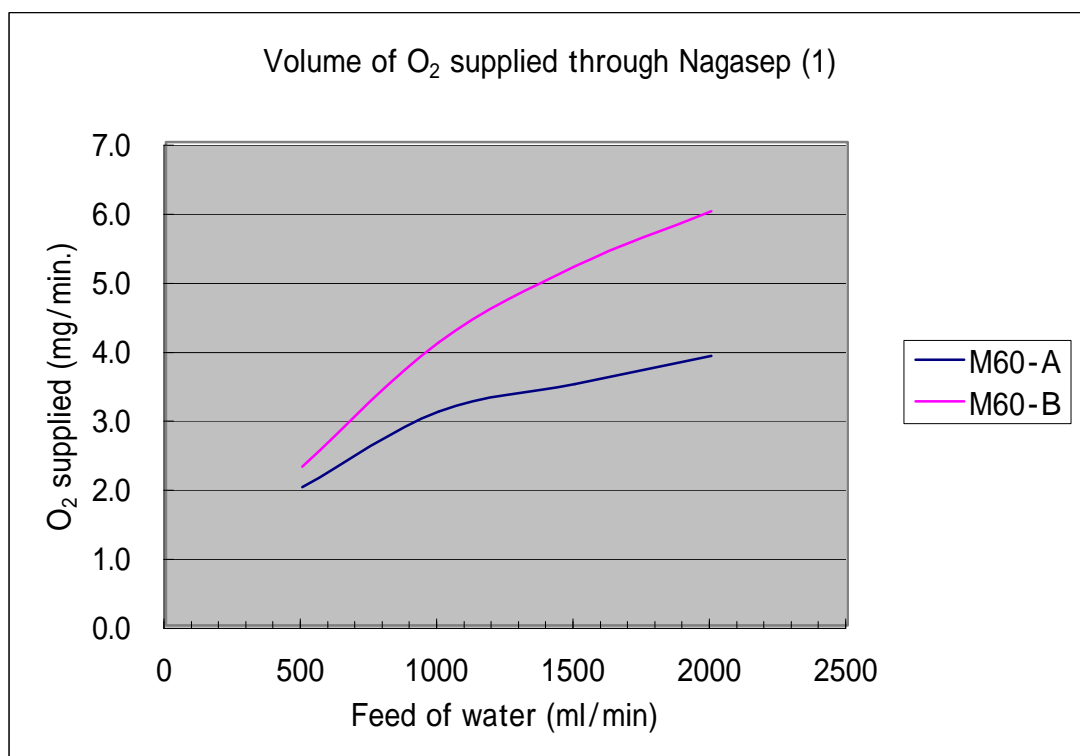


Fig.1-1 shows volume of O<sub>2</sub> supplied through M60-A & B when water goes inside hollow fibers and O<sub>2</sub> rich air(40%) ventilates inside a shell. Temperature of water =30°C,DO=3.0 ppm before treatment.

Fig.1-2

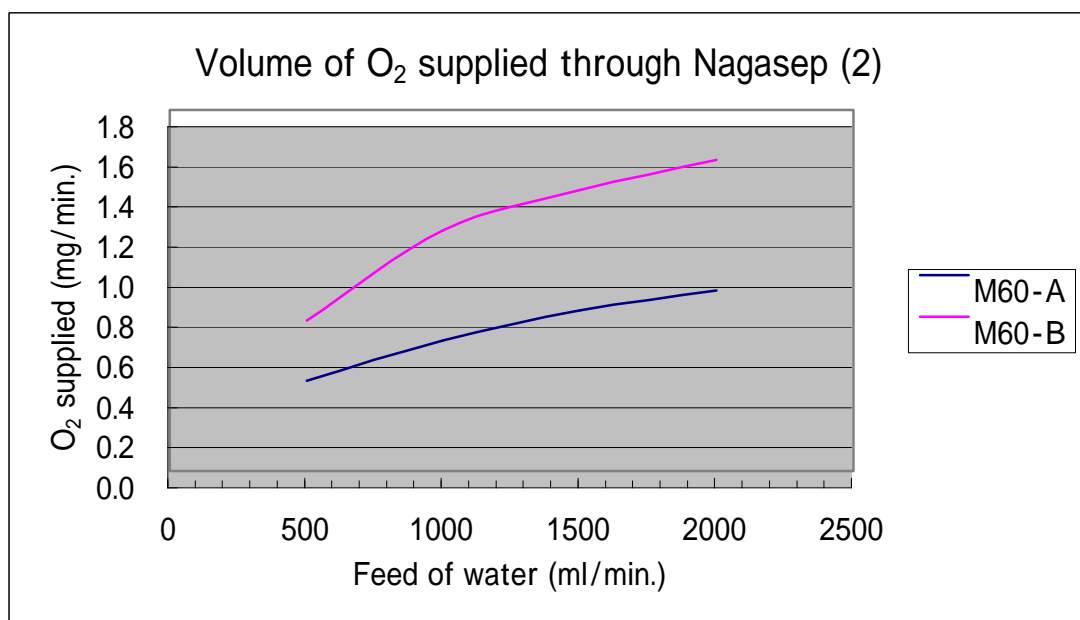


Fig.1-2 shows volume of O<sub>2</sub> supplied through M60-A & B when water goes inside hollow fibers and natural air ventilates inside a shell. Temperature of water = 30 , DO = 3.0 ppm before treatment.

Fig.2-1

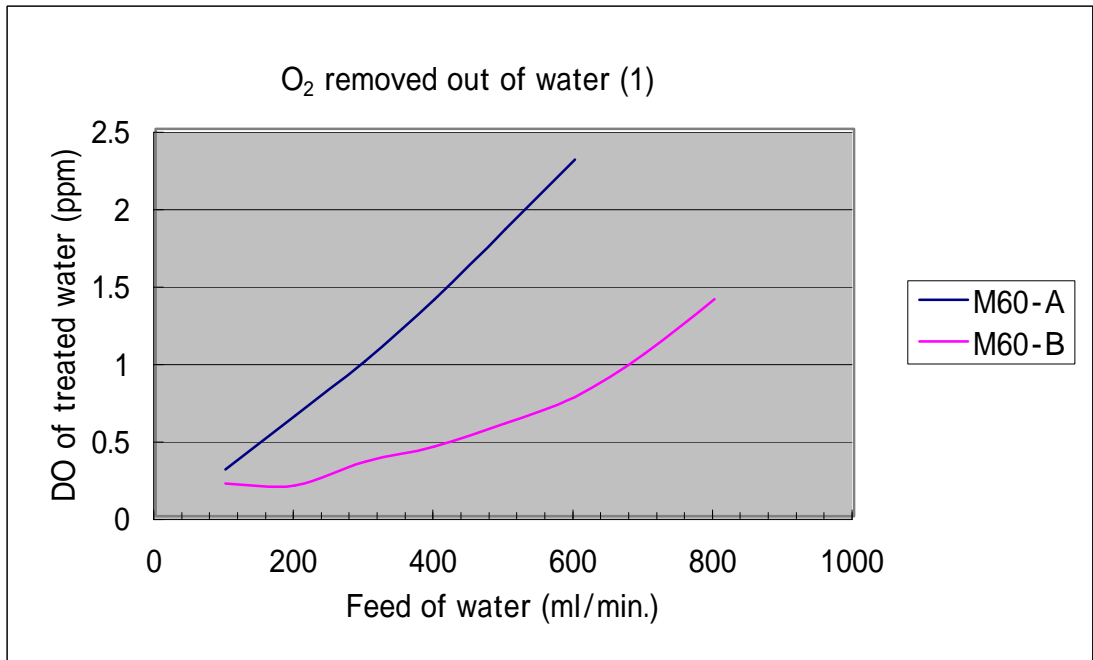


Fig.2-1 shows de-gasing efficiency of M60-A & B when water goes inside hollow fibers and it is vacuumed to 15 torr. inside a shell. Temp. of water = 20 , DO = 6.5ppm before treatment.

Fig.2-2

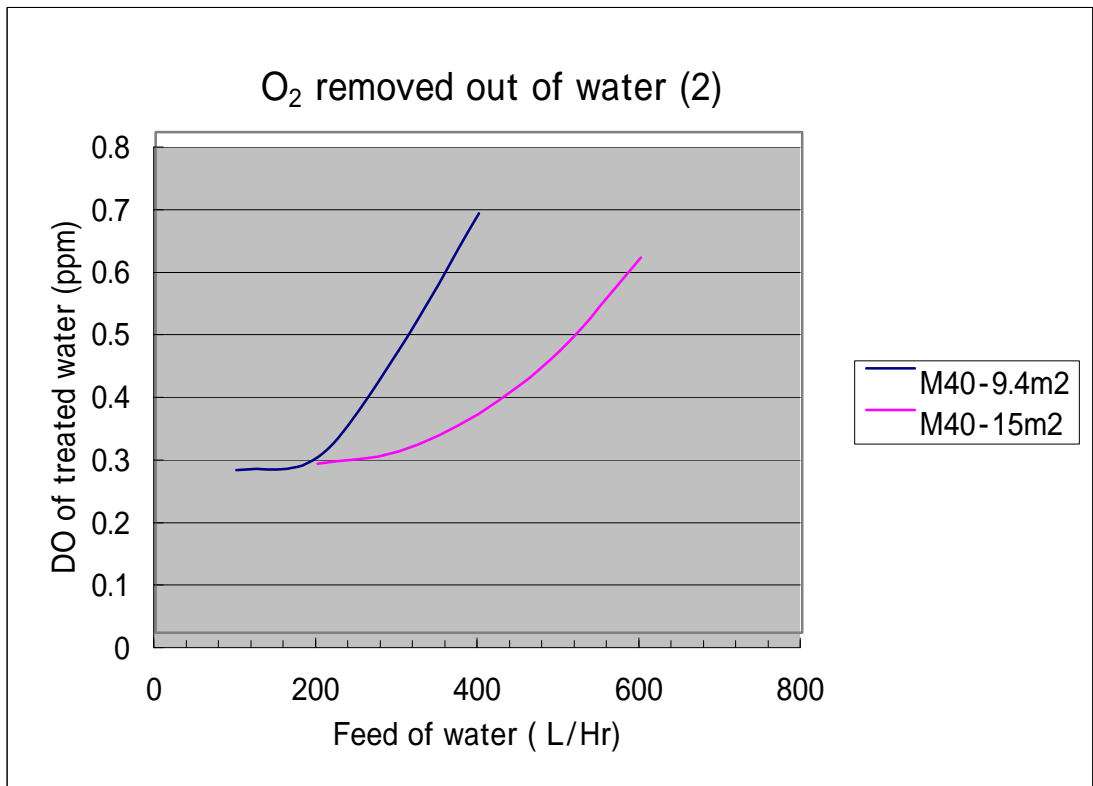


Fig.2-2 also shows de-gasing efficiency of M40-9.4m<sup>2</sup> & M40-15m<sup>2</sup> which are scaled up respectively 31& 50 times as test module M40-A. Temp. of water = 20 , Vacuum = 33 torr.

Fig.3

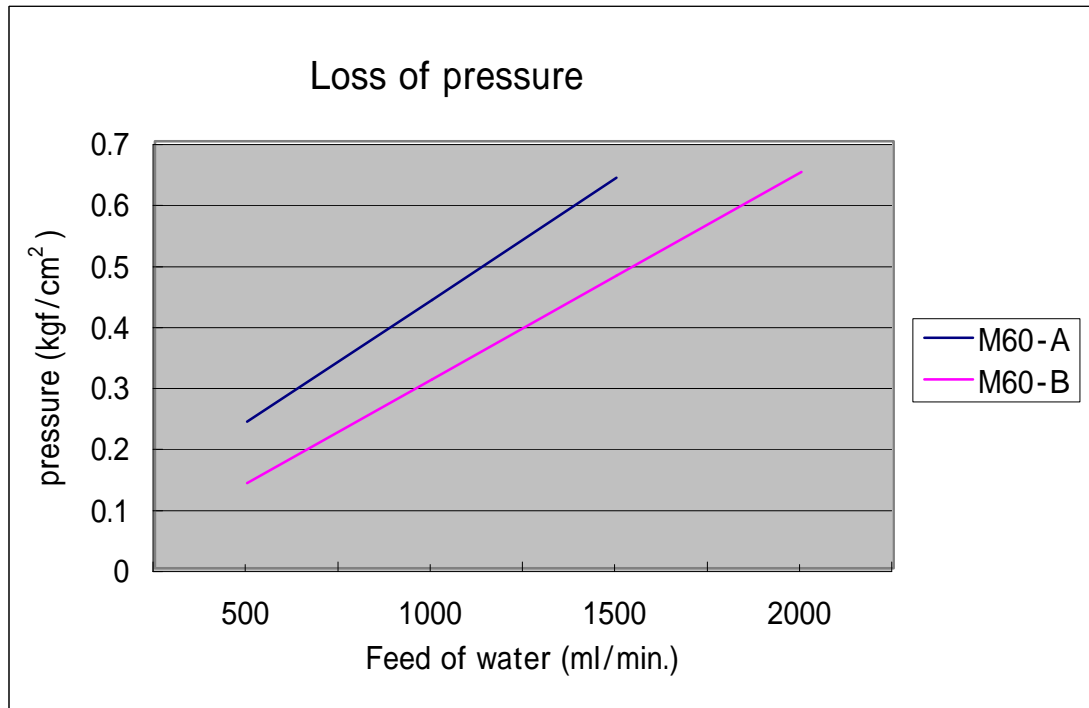


Fig.3 shows pressure lost when water goes through M60-A & B.  
Temp. of water is 20 .