

Air quality and life of a dry compressor

The **life of dry compressors** has always been thought to be shorter than the life of lubricated compressors. This sounds like an evident truth: the oil fills empty spaces, dampens noise, reduces wear and the temperature of rubbing surfaces.

However Cattani can now demonstrate that the opposite is true: it is just a matter of material selection and accurate workmanship. The compatibility of rubbing materials (also defined as self-lubricating) and accurate workmanship eliminate the wear of rubbing parts even without lubrication.

Cattani have tested their pistons for up to 10,000 hours without reporting any size reduction; we have received compressors for servicing which had worked for 25 years without any considerable wear. No wear means preserving compressed air from contamination.

This kind of results require careful research and commitment supported by a special passion.



The importance of a choice

Approximately thirty years ago, when we started the production of special compressors for the dental sector, we did not ignore the possibility of using the components available on the market. It would have been a less expensive, faster avenue but it would have taken us off our track.

We started from scratch and we are convinced this was the right choice. Over the years the compressor was improved in many details; these improvements were not advertised but they definitely caught the attention of technically literate observers. We have learnt that technical progress has no boundaries and may have no end; this allows us to achieve continuous product development and to constantly introduce ameliorations.

Issued May 2012

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