



Upgrade Kit B5268 - MHI 2.4 Cylinder protection

Purpose

An upgrade solution is now available for the protection of the pitch cylinder for MHI 2.4 MW turbines.

The original pitch ram design does not include a relief valve to ensure the pressure stays below the maximum allowed for the cylinder and the system. This may lead to extreme stress of the endcap and seals from over pressurization, which may result in the endcap cracking or bursting. Another common failure mode is leakage from the endcap.

This Hydratech solution ensures the pressure stays below the maximum allowed, which ensures a longer cylinder lifecycle, which again ensures longer lifetime of the cylinder.

= MINIMIZE DOWNTIME



Figure 1: Endcap and cylinder after burst

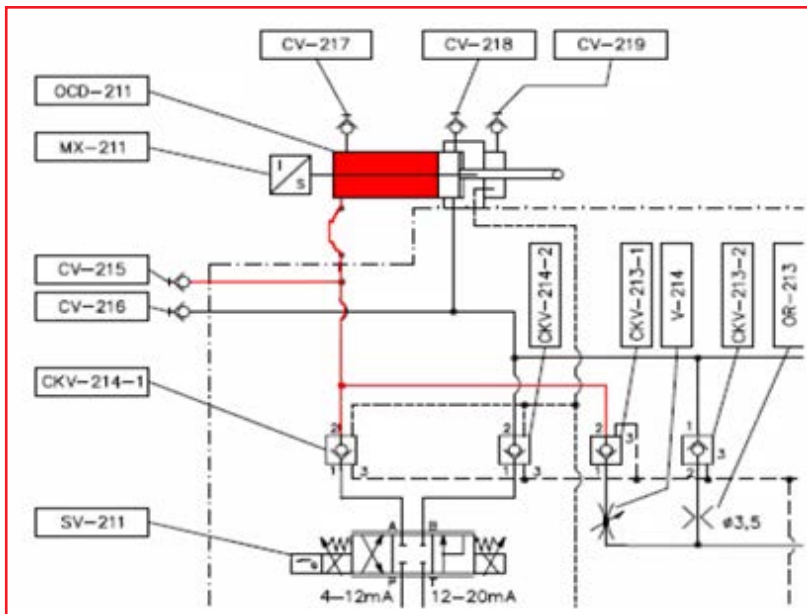


Figure 2: Illustration of current design without relief protection

Facts

Installation of the upgrade kit will compensate for stress caused by over pressurization and thermal expansion, reducing the likelihood of fractures and seal leaks from the end cap. This solution will be preventative and cost effective compared to the cost of replacing the entire pitch cylinder. Hydratech's retrofit kit is being used at wind sites throughout the U.S.

Related B5268 Documentation is available for this solution.

Please contact our service department for further information. We are looking forward to support you!

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