

Exhaust Treatment
Technical Services

WV92S303
Issue 2, 04 June 2020

Temporary inspections of WES damper valve control cabinets

Distribution to:

- **Operators and owners of installations concerned**
- **Commissioning teams of projects concerned**



For immediate attention *

Equipment concerned

WÄRTSILÄ® V-SOx and Q-SOx scrubbers equipped with damper valve(s) manufactured by WES.

Reference

WV92S298 - Ensuring working air for damper soot cleaning is present at all time

Background

Wärtsilä has recently received claims regarding WES damper control cabinets being affected by hot flue gases. The purpose of this Service Letter is to give temporary instructions to prevent this issue.

A solution for preventing the issue is under development. In the meantime, customers should perform the inspections described in this bulletin.

Risk

In case hot flue gases enters the damper cabinet, it might result in risk for hot surfaces and malfunction of the specific damper. This can result in operational difficulties.

Preventive actions

- Ensure that pressurized air is available for the components concerned at all time - including working air for soot cleaning and instrument air for valve actuation.
- Ensure that other related components in the soot cleaning line are in good working condition without leakages.

Validity

Until further notice. Replacing issue 1 dated 24 February 2020.

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* For immediate attention: This bulletin should be read immediately with possibly immediate action as well. Neglecting this bulletin can be dangerous for personnel or cause damage to the installation or environment.

Document history

Issue	Date	Description	SBWT ID
1	24-02-2020	Initial release (3-way dampers).	003378
2	04-06-2020	Second release, all dampers manufactured from WES included.	003492

Introduction

The scrubber system has dampers installed (either 2-way or 3-way). The purpose of the dampers is to route the exhaust gas into the scrubber or directly to the exhaust stack. The damper discs can over time be fouled by soot; hence the soot cleaning function. Soot cleaning is automatically activated by the scrubber control system, but if desired soot cleaning can be triggered manually.

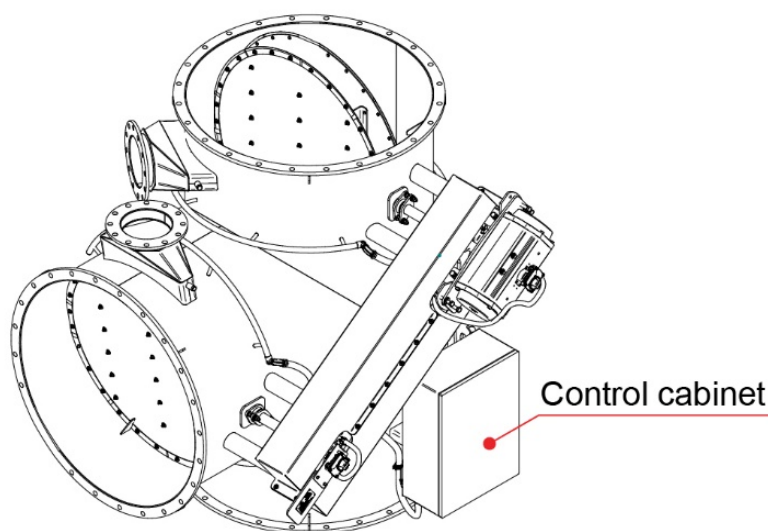


Figure 1, Example of a 3-way damper valve with control cabinet (project dependent)



CAUTION:

If a backflow of hot flue gases from the damper to the damper control cabinets occurs, the internal components in the cabinet will be negatively affected by the acidic environment and increased temperature (both caused by the hot flue gases).

Actions

- **Immediately perform a thorough inspection** of the WES damper control cabinets. Look especially for any leaks and inspect the components that are part of the soot cleaning system. Be aware of the risk for hot surfaces.
- Until further notice from Wärtsilä: **Perform daily inspections** of the WES damper control cabinets. Be aware of the risk for hot surfaces.
- If a flue gas leakage is noticed, temporarily close the working air (if possible) and plug the soot cleaning hoses from the damper to the cabinet. This will ensure that the components in the cabinet are not exposed to hot flue gases

Contact

For services, spare parts and/or tools, please contact your nearest Wärtsilä representative or log in to Wärtsilä Online: www.wartsila.com/wartsila-online

If you do not have the contact details at hand, please follow the link: www.wartsila.com/contact

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