

GENERAL SPECIFICATION

PIPING VALVES VESSELS

GS EP PVV 175

Cleaning of piping systems

06	10/2017	General review
05	05/2015	Organisation change - January 2015
04	10/2008	General review
03	10/2006	GS EP COR 460 integrated
00	02/2001	First issue
Rev.	Date	Purpose of the revision

Owning entity: DSO/IP/TEC	Managing entity: DSO/IP/TEC/PVV
Other Approving entity(ies):	

General Specification		GS EP PVV 175
Cleaning of piping systems		
Rev.: 06	Effective date: 10/2017	Page: 2 of 8

Contents

1. Scope	3
2. Reference documents	3
3. Cleaning methods	3
3.1 Air Cleaning	4
3.2 Steam cleaning	4
3.3 Water cleaning	4
3.4 Mechanical cleaning	5
3.5 Chemical cleaning	5
4. Cleaning method selection	5
5. Fragile devices protection	7
6. Nearby equipments protection	7
7. Quality control	8
8. Reassembly	8
9. Cleaned systems preservation	8
10. Documentation	8

General Specification		GS EP PVV 175
Cleaning of piping systems		
Rev.: 06	Effective date: 10/2017	Page: 3 of 8

1. Scope

This Specification applies to piping systems cleaning. This cleaning activity shall be performed on site prior to hydrotesting. It may however also take place at Manufacturer's facilities for specific supplies (Ex: skid mounted equipment).

Present specification does not cover rotating and static equipments cleaning.

Lubrication, seal and control oil piping are not addressed in the present specification. Cleaning of these systems shall nevertheless be done in accordance with [API STD 614](#).

Special piping sections such compressor suction, inter-stage, inter-coolers and by-pass piping, gas expander and pump suction piping are not covered by this specification. Cleaning of such systems shall be carried out in accordance with vendor instructions.

Present specification is meant to be used as a base document in order to establish project particular specification that will consider each project specific requirements.

2. Reference documents

The reference documents listed below form an integral part of this General Specification.

External Documents

Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and addendums, is the latest revision published at the effective date of this document.

Reference	Title
API STD 614	Lubrication, Shaft-sealing and Oil-control Systems and Auxiliaries

Total General Specifications

Unless otherwise stipulated, the applicable version of these documents, including relevant appendices and addendums, is the latest revision published.

Reference	Title
GS EP EXP 103	Pre-commissioning and Commissioning engineering and preparation
GS EP EXP 105	Pre-commissioning Execution

3. Cleaning methods

The following methods may be used. Appropriate method has to be selected based on project and piping system specifics:

- Air cleaning
- Steam cleaning