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REV. NO.	DATE	DESCRIPTION	DGN	CHK	APP	CL.APP
 한국가스공사 KOREA GAS CORPORATION						
SAMCHEOK LNG TERMINAL (삼척기지 LNG RELOADING 시스템 구축 기술검토 및 설계 용역)						
GASKET SPECIFICATION						
SCALE	JOB NO.	PHASE	DOCUMENT NO.			REV.
NONE			P3-1-1-P-M12-53-518			0
 한국가스기술공사 KOREA GAS TECHNOLOGY CORPORATION						

	삼척기지 LNG RELOADING 시스템구축 기술검토 및 설계 용역	2019. 06
	GASKET SPECIFICATION	REVISION : 0
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1. GENERAL

1.1 Scope

1) Gaskets shall be purchased in accordance with This specification and SPECIFICATION REQUIREMENTS FOR BULK MATERIAL.

Related pipe classes : all classes.

2) This standard defines the gasket types for circular, single opening gaskets to be used for various services and types of flange facings.

1.2 Applicable Codes and Standards

All following Codes and Standards of the latest edition shall be applied, unless otherwise specified.

AMERICAN PETROLEUM INSTITUTE (API)

API 601 Metallic Gaskets for Raised-Face Pipe Flanges and Flanged Connections (Double-Jacketed Corrugated and Spiral-Wound)

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)

B16.1 Cast Iron Pipe Flanges and Flanged Fittings
 B16.5 Pipe Flanges and Flanged Fittings
 B16.20 Metallic Gaskets for Pipe Flanges-Ring-Joint, Spiral-Wound, and Jacketed
 B16.21 Nonmetallic Flat Gaskets for Pipe Flanges
 B16.47 Large diameter steel flanges

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AMERICAN WATER WORKS ASSOCIATION (AWWA)

AWWA-C207 Steel Pipe Flanges for Waterworks service - Sizes 4" through 144"

2. GASKET TYPES

Applied gasket types shall be as follows:

Flange Type	Gaskets Description	Gasket Standards	Remark
RF	Non-metallic flat ring gaskets	ASME B16.21	
	Spiral wound metal flat ring gasket with non-metallic filler and an outer steel solid ring type centering device	ASME B16.20	
FF	Non-metallic full face gaskets	ASME B16.21	
RTJ	Solid metal octagonal ring joint gaskets	ASME B16.20	
LTF/LGF	Spiral wound 304 stainless steel with compressed Non-asbestos filler	ASME B16.20	

Gasket materials shall comply with the attached purchasing descriptions.

Abbreviations for gasket materials ;

- SW : Spiral wound
- (304+Non-Asb): Hoop material= 304 stainless steel+ Non-asbestos
- (316+Grap): Hoop material= 316 stainless steel+ Graphite
- CS : Carbon steel
- NR : Natural rubber

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For all above flanges NPS 24 and smaller, gasket dimensions shall be in accordance with ASME B 16.5.

For all above flanges NPS 26 and up to NPS 60, gasket dimensions shall be in accordance with ASME B 16.47 SERIES "A" (MSS-SP-44)

For all above flanges NPS 66 and up to NPS 72, gasket dimensions shall be in accordance with AWWA C207

3. ADDITIONAL REQUIREMENTS

3.1 Full faced gaskets shall be furnished with bolt hole punched.

3.2 All compressed sheet gaskets furnished either as filler or gasket shall be pure without the addition of colouring or dye.

3.3 Material test reports shall be submitted.