

Declaration of conformity

Number 122373-MECH22

GASTEC

GASTEC Certification B.V., declares that the;

CNG Fittings type HOKE GYRO-LOK

Applicant:

HOKE Incorporated
Centura Court. 405
SC29303, Spartanburg
United States of America

Complies with the following requirements of Regulation 110:

- Overpressure
- External leakage (temperature range: -40 to 120°C)
- Resistance to corrosion
- Durability
- Resistance to vibration

Gastec report number: 122373

This declaration is drawn up and signed on June 29th 2005
and is valid for the above mentioned product until the product
modified.

Apeldoorn, 29 June 2005



R.A. Dhore bc
Project Manager
Controls and Distribution Systems.
Kiwa Gastec Certification B.V.

GASTEC

GASTEC Certification B.V.
P.O. Box 137
7300 AC Apeldoorn
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7327 AC Apeldoorn



DECLARATION

File Issue: 005	DRAWING AND TECHNICAL DESCRIPTION SHEETS	GASTEC
Report Number: 122373	CNG components	Page: DR 1/00

Drawings and Technical Descriptions:

Description

Drawings of fittings (no part of scope of R110)

Drawings of check valve, service valve and filter.

B-213-1	B-214-10MM	P[]TTF4
B-213-2	B-214-12MM	P6CMS8
B-213-4	B-214-14MM	P[]LMS8
B-213-5	B-214-15MM	P[]C[]
B-213-6	B-214-16MM	P[]LU[]
B-213-7	B-214-18MM	P[]TTT[]
B-213-8	B-214-20MM	P-IOUANIO
B-213-9	B-214-22MM	P[]LM6[]
B-213-10	B-214-25MM	P[]U[]
B-213-12	B-214-28MM	P8CM6[]
B-213-14	B-214-30MM	8RNP6[]P-8TTT-
B-213-16	B-214-32MM	16/BR6
B-213-20	B-214-28MM	P[]CM8[]
B-213-24	6FF	P-2CM4[]
B-213-32	6FR	P[]CF4[]
B-213-42	6FF	6STP
B-214-1MM	6FR	P10CMS8[][]ME
B-214-2MM	8FF	T-6PS-[]
B-214-25.MM	8FR	P6CMS6
B-214-3MM	10FF	P6CMS6
B-214-4MM	10FR	P-10CM6-[]
B-214-5MM	12FF	list of fittings (1page)
B-214-6MM	12FR	
B-214-8MM	16FF	
16FR	25N	
18FF316MM	18N	
18FR	6N	
25FF	8N	
25FR	10N	
	12N	
	16N	

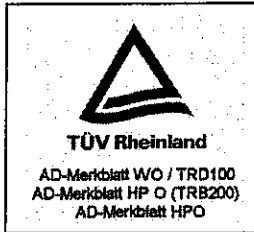
* These drawings are added to the certificate



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Material Organization



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February 9, 2005

To: Art Long

From: Mike Herrick

Subject: Description of valves with ECE R110 Marking

GASTEC

APR 2005 122373

Certification

691F Series High Flow Poppet Check Valves:

691F Series High Flow Poppet Check Valves are for severe service applications included CNG, due to high Cv flow rates, the ability to withstand high opening shocks without damage and an o-ring design that is blowout-proof. The 691F Series High flow Check valves come in 316 stainless steel material with a Teflon® gasket and Buna-N o-ring. The operating temperature range is from -65°F to +275°F (-54°C to +135°C). The maximum operating pressure at 70°F (21°C) is 5000 PSIG (345 BARG)

6670 Series Bleed Valves:

6670 Series Bleed Valves allow for quick, easy manual bleed off of system pressure. The valve comes in 316 stainless steel material. The operating temperature range is from -40°F to +600°F (-40°C to +316°C). The maximum operating pressure at 70°F (21°C) is 6000 PSIG (414 BARG)

6320 Series Removable Filters:

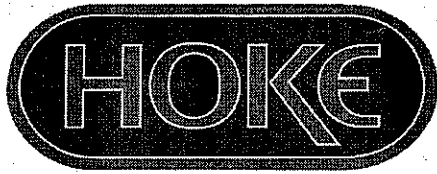
6320 Series Removable Filters offer a variety of micron filtering ranges from .5 to 250µ. The filter elements are easily replaced. The filter elements are available in 316 stainless steel material. The bodies are available in either brass or 316 stainless steel materials. The operating temperature range is from -60°F to +450°F (-51°C to +232°C). The maximum operating pressure for brass bodies at 70°F (21°C) is 3000 PSIG (207 BARG). The maximum operating pressure for 316 stainless steel bodies at 70°F (21°C) is 5000 PSIG (345 BARG).

7115 Series Flomite Ball Valves:

7115 Series Flomite Ball Valves are used for quick on-off service with a visual indication of flow. Flomite valves feature a floating ball design, encapsulated seats and check seals to ensure leak-tight service and extended service life. Flomite valves are available in three basic materials: brass, 316 stainless steel and Monel®. The operating temperature range for all valves is from 0°F to +300°F (-18°C to +149°C). Maximum operating pressures at 70°F (21°C) are as follows: 3000 PSIG (207 BRAG) for brass, 6000 PSIG (414 BARG) for 316 stainless steel and Monel®.

CVH Series Check Valves:

CVH Series Check Valves are used to maintain system integrity by preventing back flow over a wide range of pressures. The valves have cracking pressures that range from 0.5 to 20 PSIG (.03 to 1.38 BARG). Check vales are available in 316 stainless steel material. The operating temperature range is from -20°F to +425°F (-29°C to +218°C) for valves with Viton o-rings and -80°F to +350°F (-62°C to +177°C) for valves with fluorosilicone o-rings. The maximum operating pressure at 70°F (21°C) is 6000 PSIG (414 BARG).



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®

Quality Assurance/Control

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TO: Rene' Dhore/Gastec Certification BV



FROM: Arthur Long

APR 2005 122373

DATE: January 27, 2005

Certification

SUBJECT: List of fittings to be referenced on the certification

Rene":

With this memo I am attaching the list of fittings that qualifies the Gyrolok Tube Fitting offerings by size rather than specific types. All fittings have the same Gyrolok ends and NPT joints within the size categories, hence basically all Gyrolok fittings by end connector size are qualified:

6MM qualified by 6U6316MM and 6CF8316MM, 6R6316ME, 6R8316ME and 6CF4316ME

8MM qualified by 6CF8316MM

12MM qualified by 12R6316MM, 12R12316ME

18MM qualified by 18CM8316ME

25MM qualified by 25CM8316ME

Size 2 Fractional qualified by 2CM4316 (1/8" Inch)

Size 4 Fractional qualified by 4CM4316 (1/4" Inch)

Size 6 Fractional qualified by 6CM4316... (3/8" Inch) Also 6CM4BR (for Brass)

Size 8 Fractional qualified by 8CM4316 (1/2" Inch) Also 8CM4BR

Size 10 Fractional qualified by 10CM8318 (5/8" Inch) Also 10CM8BR

Size 12 Fractional qualified by 12CM8316 (3/4" Inch) Also 16CM8BR

Size 16 Fractional Qualified by 16CM8316 (1" Inch)

Size 4 NPT Male qualified by 4CM4316

Size 8 NPT Male qualified by 10CM8316

Size 4 NPT Female qualified by 6CF4316ME

Size 8 NPT Female qualified by 6CF8316ME

A.H. Long
Hoke Incorporated