

## Type Approval Certificate Extension

This is to certify that Certificate No. 01/10085(E3) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

**PRODUCER** Cephass Pipelines Corp.

**PLACE OF PRODUCTION** 592-2, Hwajeon-Dong, Gangseo-Gu, Busan, 618-280 Korea

**DESCRIPTION** Firesafe wafer-type Butterfly Valve

**TYPE** SRS 924-TF

**APPLICATION** Marine and Offshore Piping Systems

- Petrochemical
- Sea water, but except as shipside valves
- Ethylene
- LPG

**STANDARD** BS 6755 Part 2: 1987

**RATINGS**

Nominal size (mm)	Nominal pressure rating
80 to 150	150, 300 (Class rating)
200 to 400	20 kgf/cm <sup>2</sup>

Note: For pressure-temperature rating, see the producer's catalogue.

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid certificate."*

The attached Design Appraisal Document No. 01/10085(E4) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 01/10085(E3) to which this extension should be attached.

**Certificate No.** 01/10085(E4)

**Issue Date** 27 April 2011

**Expiry Date** 11 April 2014

**Sheet** 1 of 1



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Yokohama Design Support Office  
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# Marine Design Appraisal Document

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Date  
27 April 2011

Quote this reference on all future communications  
YDS/T/NTE/114289 (M01-28)

## LR TYPE APPROVAL SYSTEM, 2002

Issued to: CEPHAS PIPELINES CORP.

For: Firesafe wafer-type Butterfly Valve, Type SRS 924-TF  
TYPE APPROVAL CERTIFICATE No. 01/10085(E4)

The undernoted documents have been reviewed for compliance with the requirements of the LR Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

### APPROVAL DOCUMENTATION

Request forms LR6606 & 2502 dated 17 March 2011

### TEST REPORTS

Busan memorandum dated 31 March 2011 accompanying Inspection and Surveillance of Production Facilities report

### Supplementary Type Approval Terms and Conditions

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*Lloyd's Register reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.*

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FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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**Part 1A**  
**Subject: Valves**  
**Product: Butterfly Valves (Part 1A)**

Producer/Licence No.		Description of Product			Cert. No.
Type	Details of Approval	Application	Remarks		
<p>SRS 924-TF</p> <p>Cephas Pipelines Corp.,                      592-2, Hwajeon-Dong,                      Gangseo-Gu,                      Busan 618-280, Korea</p>	<p>Firesafe wafer-type butterfly valve</p> <p>Nominal Size (mm) 200 to 400                      Design Pressure in accordance with ANSI B16.5 #150                      Design Temperature (°C): -30 to 200                      Body Material: carbon steel                      Seat Material: PTFE + 5% glass fibre/stainless steel                      Designed to BS 5155,                      Tested to BS 6755 Parts 1 &amp; 2</p> <p>Nominal Size (mm): 80 to 150                      Nominal Pressure Rating (Class rating): 150 &amp; 300                      Pressure-temperature Rating: see the producer's catalogue                      Seat Material: PTFE + 15% glass fibre/stainless steel                      Fire tested to BS 6755 Part 2</p>	<p>Petrochemical, sea water but                      except as shipside valves,                      ethylene and LPG</p>	<p>Expires: 11 April 2014</p>	<p>01/10085(E4)</p>	

*N. T. Ashraf*