

ICS 43.160

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**PROFESSIONAL STANDARD OF THE PEOPLE'S
REPUBLIC OF CHINA**

中华人民共和国汽车行业标准

QC/T 932-2012

**Emergency shutoff valve of road tanker for dangerous
liquid goods transportation**

道路运输液体危险货物罐式车辆紧急切断阀

Issued on December 28, 2012

Implemented on June 1, 2013

Issued by Ministry of Industry and Information of the People's Republic of China

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Foreword

This standard is prepared according to the rules specified in GB/T 1.1-2009.

Annex A, B, C and E of this standard is normative annex, annex D is informative annex.

This standard is proposed and under the jurisdiction of National Technical Committee on (SAC/TC 114) Road Vehicles of Standardization Administration of China.

The responsible drafting organizations are Dongguan Yongqiang Auto Co., Ltd, Hanyang Special Purpose Vehicle Institute, Yongjia Sanjiang Petroleum Machinery Plant, Zhejiang Jialong Machinery Equipment Co., Ltd, Xiagong Chusheng (Hubei) Special Vehicle Co., Ltd and Dufu (Shanghai) Trade Co., Ltd.

The chief drafting staff of this standard includes Su Debiao, Wu Yueling, Gong Zhangyong, Lyu Shixiang, Wang Zhaoping and Yu Shijiang.

Emergency shutoff valve of road tanker for dangerous liquid goods transportation

1 Scope

This standard stipulates the terms and definitions, requirements, test method, inspection rules and marks of the emergency shutoff valve of road tanker for dangerous liquid goods transportation.

This standard is applicable to the transportation of liquid petroleum products and other dangerous liquids which comply with the Class III in GB 6944 *Classification and Code of Dangerous Goods*, including petroleum whose steam pressure is not higher than 110kPa at 50°C, but excluding the emergency shutoff valve of road tanker for liquid desensitized explosives, poisons and corrosives.

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (Including all corrections) or revisions made thereafter shall be applicable to this Standard.

GB/T 1239.2-2009 Cold coiled helical springs technical specifications - Part 2: Compressions spring

GB/T 2828.1-2003 Sampling procedures for inspection by attributea-Part1: Sampling schemes indexed by acceptance quality limit(AQL) for lot-by-lot inspection

GB/T 4356 Stainless steel wire rods

GB/T 5218 Alloy spring steel wires

GB/T 13927-2008 Industrial valves - Pressure testing

GB/T 15114 Aluminum alloy die castings

GB/T 15115 Die casting aluminum alloys

JB/T 9092-1999 Valve inspection and testing

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions shall apply.

3.1

Emergency shutoff valve

They are installed on the bottom of the tanks and closed during the transportation process. The valve which can be on and off by means of pneumatic, hydraulic or mechanical methods on the sites or within certain distance, and can be automatically closed using fusible elements when the ambient temperature rises to the stipulated scope due to reasons such as fire accidents, etc. during the working process.

3.2

Run-off pipe

Pipelines connecting the emergency shutoff valves with loading and unloading adapters (oil drain valves and/or quick couplings), including pipeline elements.

3.3

Shutoff time

Refer to the time from the start of the action to the stop of the liquid flow while the bottom valves are closed.

3.4

Nominal pressure

Refer to the compression strength of the valves at the reference temperature.

3.5

Nominal diameter

Refer to the nominal inside diameter value of the valve.

3.6

Pressure balanced

The medium pressure acted on both sides of the valve clacks keeps balanced state. Opening the valves with the medium conveying pressure is not allowed.

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