

ICS 71.120
CCS G94

HG

**CHEMICAL INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

HG/T 6466-2026

Thermoplastic check valves for chemical fluid transfer

化工流体输送用热塑性塑料止回阀

(English Translation)

Issued on: April 16, 2026

Implemented on: November 1, 2026

Issued by: Ministry of Industry and Information Technology

Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

HG/T 6466-2026 is a recommended industry standard of the People's Republic of China in the Chemical Industry sector, approved and issued by the Ministry of Industry and Information Technology on 16 April 2026, with effect from 1 November 2026.

It is administered by the National Technical Committee for Non-metallic Chemical Equipment Standardization.

Classification: ICS 71.120; CCS G94.

1 Scope

HG/T 6466-2026 specifies thermoplastic check valves made of acrylonitrile-butadiene-styrene (ABS), unplasticized and chlorinated polyvinyl chloride (PVC-U, PVC-C), homopolymer polypropylene (PPH), polyvinylidene fluoride (PVDF) and glass fibre reinforced polypropylene (FRPP). It covers materials, design, manufacture and assembly of parts, requirements, test methods, inspection rules, marking, packaging, transport and storage. It applies to flanged, butt-connection and wafer-type check valves with nominal pressure PN not more than 1.0 MPa and nominal size DN15 mm to DN300 mm, hereafter called check valves (code H). Working temperature ranges are: ABS -40 °C to 70 °C; PVC-U -5 °C to 60 °C; PVC-C -5 °C to 95 °C; PPH -10 °C to 90 °C; PVDF -40 °C to 120 °C; FRPP -14 °C to 100 °C.

Valve manufacturers, chemical plant designers and operators, buyers and test laboratories use it. It is voluntary, as the /T in the code shows. The Ministry of Industry and Information Technology issued it on 16 April 2026, and it takes effect on 1 November 2026. It is a new standard.