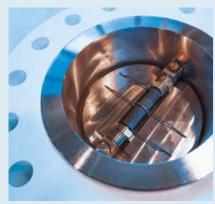
Valve Experience. Made in Germany.













Welcome to RITAG





RITAG Quality



Testings and Inspections

PMI Positive Material IdentificationRT Radiographic Test

UT Ultrasonic TestingDPT/LPT Dye Penetrant Test/Liquid

Penetrant Test

MPI Magnetic Particle Inspection

CRYOCryogenic Leakage TestSTShell Test

■ LPCT Low Pressure Closure Test

■ HPCT High Pressure Closure Test

DC Dimensional CheckDFT Dry Film Thickness

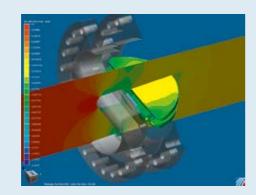
Non-destructive testing is an important component of our professional production.

Special requirements can be met together with accredited specialist laboratories to the highest level of quality.

Engineering and Development

More than 40 years of experience and close cooperation with EPC's and endusers form the basis for our problem-solving expertise.

Equipped with modern tools, such as 3D CAD, FEM, CFD, CAM and much more, we go about meeting your demands and, together with you, we find solutions that go way beyond the norm. In so doing, it is important to us that our solution impresses you; regardless of whether it involves simple maintenance, special materials or particular system conditions.





Integrated Management

Continuous improvement in all aspects is what drives us. We take responsibility for our customers, for our employees and for the environment.

Clear structures, stable processes and a dedicated team guarantee the exceptional quality of our products. And if an error still occurs, our deviation management ensures that is doesn't happen a second time.





Project Handling

PIM Pre-Inspection-Meeting
 KOM Kick-Off-Meeting
 BCD Bid Closing Date
 ITP Inspection & Test Plan
 TPI Third Party Inspection
 FAT Factory Acceptance Test

FAT Factory Acceptance Test
FINAL Final Acceptance Test
VDRL Vendor Document Requirement

List

MRB Manufacturer Record Book

DB Data BookVDR Vendor Data Register

QM Quality Manual

IM-Manual
 Integrated Management Manual
 MTC
 Material & Test Certificates

IOM Instruction ManualGA General Arrangement Drawing

DS Data Sheet

■ IN Inspection Notification

IRN Inspection Release Note
 SRN Shipping Release Note
 NCR Non-Conformity Report
 PPR Project Progress Report

PS Project Schedule
SSL Sub Supplier List

MOS Material Order Status

WPS Welding Procedure SpecificationPQR Procedure for Qualification

Procedure for Qualification Record

HTR Forming and Heat Treatment

Procedure

PWHT Post Weld Heat TreatmentIFS Instructions for Storage

CRA Corrosion Allowance

COC Certificate of Compliance

COO Certificate of OriginSPIR Spare Parts Interchangeable

Record

PACK Packing Procedure

■ DT Document Transmittal

4



RITAG Product Range



































■ RITAG Tank Bottom Valves ■ RITAG Sampling Valves ■ RITAG Clean Service

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Valve Experience. Made in Germany.



RITAG Markets and References **RITAG Representatives** Oil and Gas Industry Petrochemcial-, Chemical-Germany ADNOC and Pharmaceutical Industry Australia Mexico ARAMCO BASF Austria ■ The Netherlands Gaz de France BAYER Bahrain Nigeria Boehringer Indian Oil Corporation Belgium Norway OMV ■ CF Industries ■ Brazil Poland Clariant Shell Chile Portugal Statoil DOW Czechia ■ PR China ■ Total Evonik Denmark Qatar Wintershall Lanxess Saudi Arabia Egypt Roche Finland Singapore EPC's SABIC France Slovakia Air Liquide Sanofi Aventis Great Britain South Africa Daelim Hong Kong South Korea General Industry, Linde Hungary Spain Lurgi **Power Plants** ■ India Sweden ABB ■ NPCC Indonesia Switzerland Petrofac ArcelorMittal Iran Taiwan Saipem AEL Thailand Ireland Technip Alderley Italy UAE ThyssenKrupp Industrial Atlas Copco Japan USA Solutions (Uhde) ■ GEA Malaysia Toyo Engineering Kraftanlagen MAN Shipbuilding Mannesmann Abeking & Rasmussen Siemens Deawoo ■ Fincantieri HDW Lürssen Meyer-Werft Nordic Yards Shanghai Edwards Shipyards TKMS Zhonghua Shipyard Shanghai RITAG Ritterhuder Armaturen GmbH & Co. Armaturenwerk KG Sachsenring 30 27711 Osterholz-Scharmbeck Gemany Phone +49 (0) 47 95 - 5 50 42 - 0 E-mail contact@ritag.com Internet www.ritag.com