

# Deltaflux

## Standard

The standard Deltaflux is designed for sweet clean gas applications and moderate minimum and maximum design temperature. This valve configuration is the most competitive in terms of price and lead-time.



Oil gathering



Topside wellhead



Offshore wellhead



Gas processing

Features	Values
Pressure rating*	ANSI classes from 150 to 600
Design temperature*	From -29 °C to +150 °C From -20 °F to +302 °F
Nominal sizes*	2" to 36" NPS 50 to NPS 900
Connections*	RF and RTJ flanges as per ASME B16.5, B16.47 and MSS SP-44
End to end dimensions*	ASME B16.10
Construction*	Side entry bolted body
Operator*	<ul style="list-style-type: none"> <li>Bare stem</li> <li>Motor operated (pneumatic, hydraulic, or electric actuator)</li> </ul>

(\*) NOTE: Different functional features and/or materials available on request.

Stated temperature ranges are the maximum for which the standard equipment's full performance is fulfilled.

**Table 1** Features

## Materials and Approvals

Part	Material
Metallic materials*	<ul style="list-style-type: none"> <li>Low temperature carbon steel (body, ball, seats, cover)</li> <li>Stainless steel (stem)</li> </ul>
Soft parts*	<ul style="list-style-type: none"> <li>Elastomeric (FKM, HNBR)</li> <li>Graphite</li> </ul>
Coatings*	<ul style="list-style-type: none"> <li>Electroless Nickel Plating (ENP, control element)</li> <li>Tungsten Carbide Coating (TCC, seats)</li> </ul>

**(\*) NOTE: Different functional features and/or materials available on request. Stated temperature ranges are the maximum for which the standard equipment's full performance is fulfilled.**  
**(\*\*) NOTE: If necessary, proper material pups can be welded to the valve to fit connecting pipe material.**

**Table 2** Materials

### Product certification:



API 6D  
Cert. no.  
6D-1170



API 6A  
Cert. no.  
6A-1252



API 6DSS  
Cert. no.  
6DSS-0057



IEC 61508 SIL 2  
Cert. no.  
50 100 13288  
REV.005

### System certifications:



ISO 9001  
Cert. no.  
50 100 9927  
Rev.006



Pressure Equipment  
Directive (PED)  
2014/68/EU  
Certificate no.  
PED-0948-QSH-490-16  
REV. 3



ISO 14001  
Cert. no.  
50 100 13288  
REV.005



ISO 45001  
Cert. no.  
50 100 13322  
REV.005

TIV Valves production range has also a wide coverage for fire-safety as per API 607 and API 6FA and for fugitive emissions as per ISO 15848-1. In addition, thanks to a long-term cooperation with international energy companies and EPC contractors, TIV complies with many customers specifications, including design validation procedures.