

High pressure flange

FLANGE SET FOR ELEVATED OPERATING PRESSURE
SDR 9 / SDR 7.4



Code 292 - DIN
Code 294 - ANSI

SPECIAL DESIGN FOR EXTREME DEMANDS

Complete set, consisting of:

Set 1:

- ① Backing ring galvanized steel
- ② Stub flange PE 100-RC (DIN PN 25, ANSI class 150, ANSI class 300)
- ③ Centering ring PE 100-RC
- ④ EPDM gasket with steel insert

Set 2:

- ① Backing ring galvanized steel
- ② Stub flange PE 100-RC (DIN PN 25, ANSI class 150, ANSI class 300)

Special design offers

- Perfect dimensional stability
- High pressure resistance - up to 25 bar
- Force-locked connection

High grade PE 100-RC resin

- Shows high resistance against slow crack growth
- Is perfectly suitable for alternative installation without sand embedment



FM 1613 - 250 psi approved

Flange connections are a fundamental part of each piping system. For PE systems in **SDR 33 (PN 5) to SDR 11 (PN 16)**, the conventional AGRU stub flange combined with a PP-FRP backing ring, is long term proven and reliable.



0 bar
10 bar
16 bar

SDR 33-11

DIN PN 10
DIN PN 16

ANSI Class 150 OD 20 - 710 mm

At higher operating pressure >16 bar, a specially designed system is required to withstand the occurring forces permanently.

The AGRU high pressure flange is the solution for **SDR 9 (PN 20) and SDR 7.4 (PN 25)** piping systems. The optimized stub flange offers maximum contact area for the backing ring - a perfect fit. The centering ring positions the EPDM gasket with steel insert optimally and ensures the necessary pre-load directly onto the gasket.



20 bar
25 bar

SDR 9 + 7.4

DIN PN 25

ANSI Class 150
ANSI Class 300

OD 63 - 500 mm

