

Clamping flanges for large vacuum pipes



The illustrated section of a vacuum pump shows from bottom to top: clamping flange with claw, double jointed quick clamping rings, clamping flange bolted, disc valve, clamping flange with claw.

Vacuum conveying is establishing itself increasingly in the areas of food, chemicals, pharmaceuticals and plastic processing for the movement and transport of bulk or paste materials. Often in combinations with vacuum cleaning systems. The efficiency depends, among other things, on the reliable clamping flange connections on the pipeline systems. For the large nominal tube sizes from DN 63 common in these areas, connection systems in accordance with DIN 28404 and ISO 1609 offer the necessary process reliability. Compatibility with tube systems in accordance with DIN 11850 is necessary for the integration of beverage line tubes.

It should also be possible to integrate transitions to small flange connections in accordance with DIN 28403 and ISO 2861. For this special field of vacuum technology, Linnemann GmbH offers high grade steel connections as well as disc valves and other fittings, made from high quality solid material or hollow steel. The systems operate with centring and support rings and can be closed by clamps, claws or screws. Flexibly on the recessed grooves or by collar flanges with bores. Seals made of NBR, FKM and EPDM ensure leak rates of less than 10^{-6} mbarl/s.

Details of the Linnemann portfolio can be found under www.linnemann-online.de where graphics and product descriptions, structure and use are given in more detail.



Thomas Linnemann

Sales Manager of LINNEMANN GmbH who specialise in the development, production and sales of tube connections and stainless steel fittings.