

TRI-CLAMP FLOW CELLS



Tri-clamp (TC) flow cells are a new series of flow cells with a tri-clamp pipeline connection, used in preparative chromatography.

The entire product range of our TC flow cells can be supplied in various materials – **stainless steel, Hastelloy** or **PEEK** material designs.

The **optional optical path length** ranges from 0.1 to 10 mm. The flow cells are designed for high-pressure chromatography. The **maximum operating pressure** is 30 MPa (300 bar, 4351 PSi) for DN8–DN20, and for DN25–DN100 it is 2 MPa (20 bar, 290 PSi). The advantage of our TRI-CLAMP flow cells' technical design is the elimination of **dead volume** inside the cell. The TC cells have been approved by **FDA certification** for use in **food and pharmacy**.

Part Number	Hole ID Size (inch)	DN	Optical Path Length (mm)	Max Pressure [MPa/PSi]
TC25040X	1/4"	DN8	0.1–4	30/4351
TC25070X	3/8"	DN10	0.1–4	30/4351
TC25090X	1/2"	DN15	0.1–5	30/4351
TC25150X	3/4"	DN20	0.1–5	30/4351
TC50220X	1"	DN25	0.1–10	2/290
TC50340X	1.5"	DN40	0.1–10	2/290
TC64470X	2"	DN50	0.1–10	2/290
TC77600X	2.5"	DN65	0.1–10	2/290
TC91720X	3"	DN80	0.1–10	2/290
TC11997X	4"	DN100	0.1–10	2/290



TC25040X



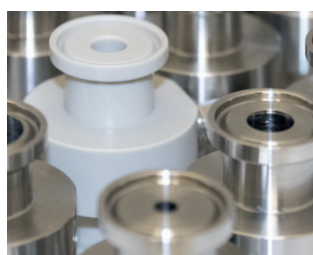
TC25070X



TC25090X



TC25150X



Materials

The entire product range can be supplied in **stainless steel, Hastelloy** or **PEEK** material designs.



Accessories

TC cells are used outside of the detector, connected by special **UV optical cables** with **SMA 905** connectors (lengths: 1 m, 1.5 m, 2 m, 3 m, 5 m, 10 m).