

PTFE Flat Flange Lids

- ✓ For Mini-Plant-Facilities
- ✓ Suitable for SCHOTT® Flat Flanges
- ✓ With various Screw Connections



PTFE Flat Flange Lids for Glass Reactors

Deployment / Use

Mini-plant systems are small-scale production systems that are used in the chemical, pharmaceutical and research sectors. These facilities are designed to produce smaller quantities or to conduct research processes in a controlled environment. Mini-Plant facilities enable new processes and technologies to be tested on a small scale before they are transferred to larger production facilities. This reduces the risk of bad investments and increases efficiency in subsequent production.

The flat flange

A flat flange is a special type of flange used to join and seal two pipes or vessels. It consists of a flat ring with holes for attaching screws or bolts. The flat flange allows the lid to be securely attached to the reactor body and ensures a reliable seal to prevent leakage.



PTFE Flat Flange Lids

All Important at a Glance

Our PTFE Flat Flange Lids

The PTFE flat flange lids are manufactured in the usual high SCAT quality, which leads to an attractive price advantage. Efficient manufacturing allows us to achieve cost savings that we are happy to pass on to our customers. The combination of high quality and competitive price makes our SCAT flat flanges a cost effective solution for our customers.

■ Custom-fit According to the Standard

Compatible according to DIN 12214 (laboratory flat flange). Our products are perfectly compatible with glass reactors and allow seamless integration.

■ Easy Construction

Our products are effortless and hassle-free to assemble, saving time and effort.

■ Flexibly Expandable

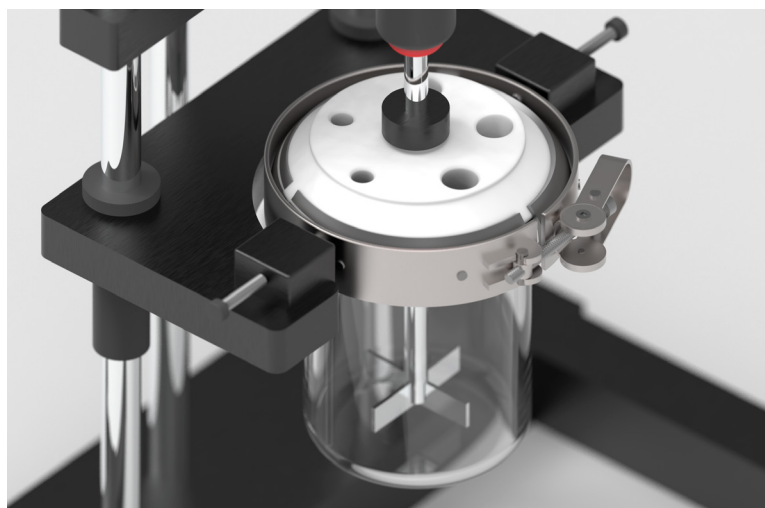
Our various NPT screw-in threads enable easy connection of probes, pipes, hoses or sealing plugs.

■ PTFE as Material

Made entirely of PTFE, our products offer universal chemical resistance to a wide range of chemicals, increasing their application versatility and reliability.

■ Individually tailored

With attachments for using existing equipment with ground or GL threads: Our products are equipped with practical attachments that allow easy connection and use of existing equipment that has ground or GL threads.



Production according to Standard

Flat flanges are manufactured according to international norms and standards such as **DIN 12214 ANSI, ASME or API** to ensure extensive compatibility and interoperability.



PTFE Flat Flanges for Glass Reactors

A PTFE (polytetrafluoroethylene) based flat flange is a special type of flange. PTFE is a highly durable material with excellent chemical resistance and is often used in demanding industrial applications, particularly in areas where harsh chemicals are present.



PTFE Flat Flange Lids for Glass Reactors

Threaded Connections in Detail.

Suitable for glass reactors with a SCHOTT® flat flange. With screw-in threads for connecting transition fittings and a center neck NPT 1/2":

1: Centric thread connection (middle / blue)



This threaded connection enables the introduction of a stirrer guide in a centric position. This ensures precise and stable guidance of the stirrer.

2: Perpendicular thread connection (perpendicular / purple)



This threaded connection is arranged vertically and runs parallel to the agitator shaft. It enables easy assembly of components that are to be aligned perpendicular to the agitator shaft.

3: Angled thread connection (to the middle / green)



This threaded connection is arranged at an angle and runs directly to the agitator shaft. It is suitable for assembling components that require an inclined alignment to the agitator shaft.

4: Angled thread connection (past the center / magenta)

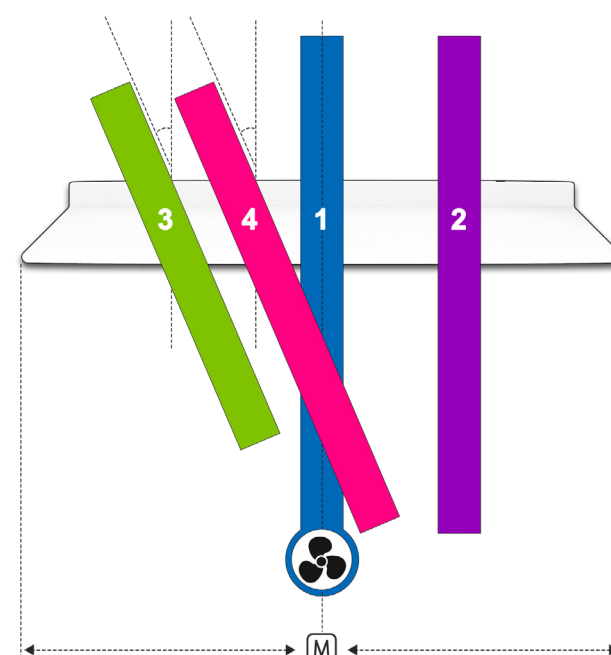
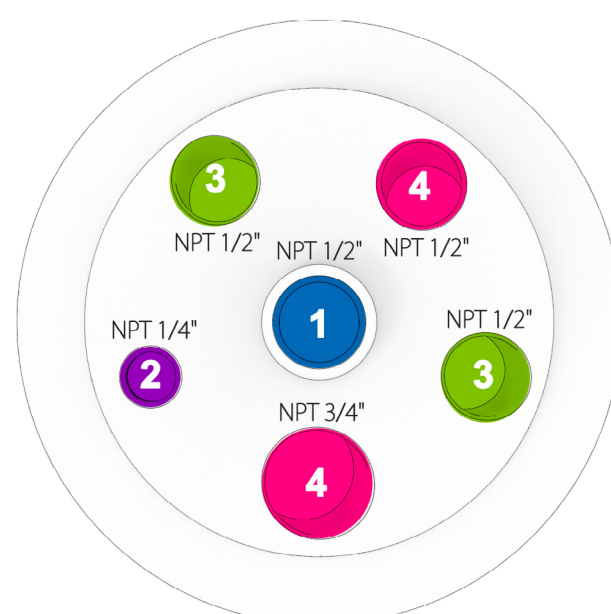


This threaded connection is also arranged at an angle, but with an alignment past the agitator shaft. It allows components to be mounted that require specific lateral orientation or placement along the agitator shaft.

These various threaded connections provide flexibility and versatility in mounting components in your application. Depending on your needs and desired orientation, you can select the appropriate threaded connection to ensure precise and reliable installation.

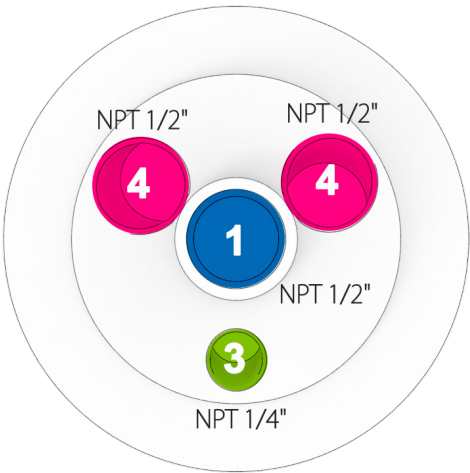


Exemplary representation



PTFE Flat Flange Lids
DN 60

A 130 060



B 130 061

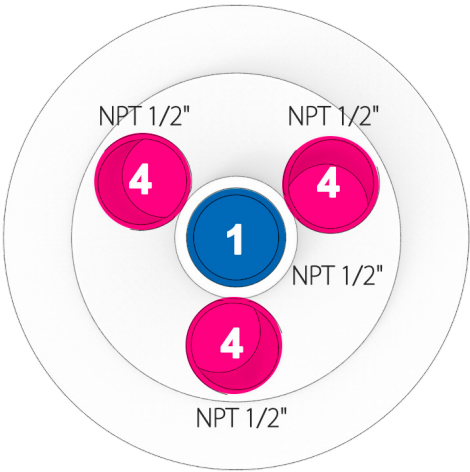


Fig.	Part No.	Description	1	2	3	4	DN	Material
A	130 060	PTFE Flat Flange Lid, PTFE, DN 60, Type 1	NPT 1/2"	-	NPT 1/4"	NPT 1/2" NPT 1/2"	DN 60	PTFE
B	130 061	PTFE Flat Flange Lid, PTFE, DN 60, Type 2	NPT 1/2"	-	-	NPT 1/2" NPT 1/2" NPT 1/2"	DN 60	PTFE

PTFE Flat Flange Lids

DN 100

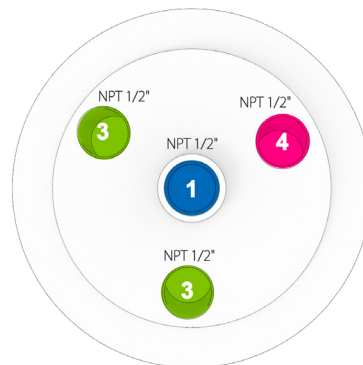
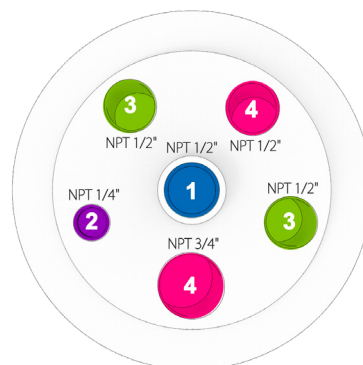
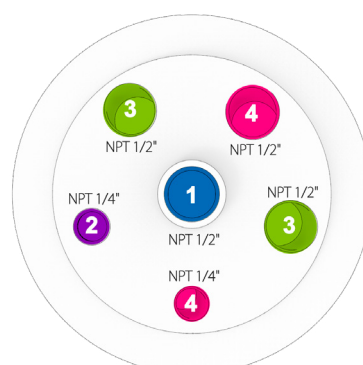
A 130 100**B** 130 101**C** 130 102

Fig.	Part No.	Description	1	2	3	4	DN	Material
A	130 100	PTFE Flat Flange Lid, PTFE, DN 100, Type 1	NPT 1/2"	-	NPT 1/2" NPT 1/2"	NPT 1/2"	DN 100	PTFE
B	130 101	PTFE Flat Flange Lid, PTFE, DN 100, Type 2	NPT 1/2"	NPT 1/4"	NPT 1/2" NPT 1/2"	NPT 1/2" NPT 3/4"	DN 100	PTFE
C	130 102	PTFE Flat Flange Lid, PTFE, DN 100, Type 3	NPT 1/2"	NPT 1/4"	NPT 1/2" NPT 1/2"	NPT 1/2" NPT 1/4"	DN 100	PTFE

PTFE Flat Flange Lids
DN 150

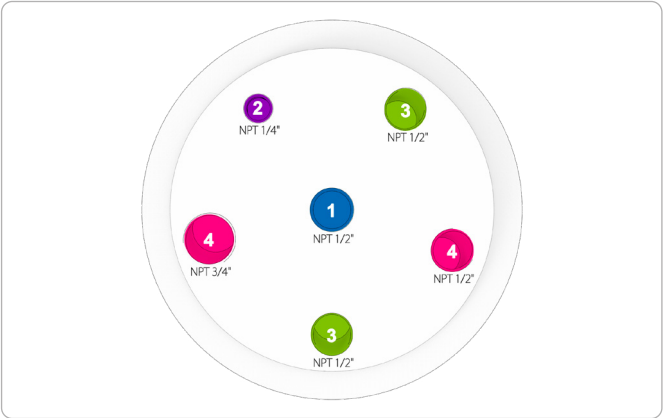
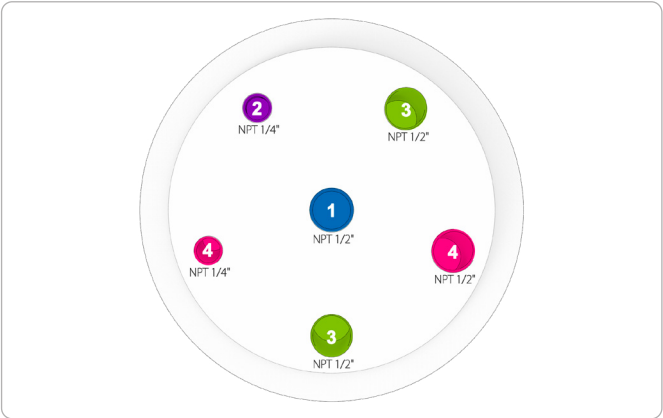
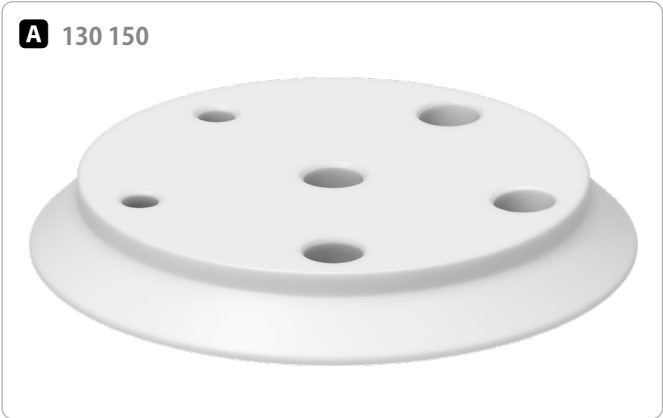


Fig.	Part No.	Description	1	2	3	4	DN	Material
A	130 150	PTFE Flat Flange Lid, PTFE, DN 150, Type 1	NPT 1/2"	NPT 1/4"	NPT 1/2" NPT 1/2"	NPT 1/2" NPT 1/4"	DN 150	PTFE
B	130 151	PTFE Flat Flange Lid, PTFE, DN 150, Type 2	NPT 1/2"	NPT 1/4"	NPT 1/2" NPT 1/2"	NPT 1/2" NPT 3/4"	DN 150	PTFE
C	130 152	PTFE Flat Flange Lid, PTFE, DN 150, Type 3	NPT 1/2"	NPT 1/4"	NPT 1/2" NPT 1"	NPT 1/2" NPT 1/4"	DN 150	PTFE



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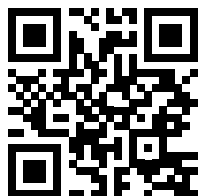
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