



Parflange® F37 system

for high pressure tube flange connections
without welding

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



ENGINEERING YOUR SUCCESS.

Positive signals set an example

for offshore, shipbuilding and heavy machinery construction:

- Parflange® F37 system for tube flange connections up to 140 mm tube O.D. and pressures up to 420 bar
- No welding or expensive reworking
- Interlocking soft-sealing tube connections
- Rapid tube flaring with the proven Parflange® process
- Huge potential for time and cost savings
- Unique flange programme in stainless steel or steel with chromium(VI)-free surfaces
- Certified by the leading classification bodies
- Ideal for offshore, marine and heavy machinery



Parflange
F37
non-welded flange system



Unique flange programme

makes welding unnecessary!



Broaden your design opportunities.

The new Parflange® F37 technology is suitable for tube sizes from 16 mm up to 140 mm outside diameter and for pressures up to 420 bar. Coupled with the widely diverse range of types, completely new perspectives in design are opened up for you.



Save time and costs.

In comparison with standard welding procedures, Parflange® F37 technology shows outstanding time and cost savings. For example, expensive tube connection cleaning and x-ray procedures immediately become a thing of the past. Also, the manufacturing time for a tube connection rapidly reduces by more than half in comparison with traditional welding.

Profit from the advantages of a new surface finish.

Components in the Parflange® F37 flange programme are supplied with the new chromium(VI)-free surfaces, thus contributing to clean and environment-friendly production methods.

The new Parflange® F37 system

makes tube assembly noticeably simpler!



You can trust a technology proven millions of times over.
Parflange® technology for flaring tube connections has for decades proved itself millions of times over. Coupled with a multitude of flange components, you have a fully-developed system which as far as reliability and design freedom are concerned, leaves no requirements unmet.



Signal the technology of the future.
For users in the offshore, marine and heavy construction industries there is no way past the Parflange® F37 system. Time and cost advantages in comparison with traditional welding speak a clear language. Find out now about a technology for the future in the new main catalogue. Or ask one of our sales representatives.

Profit from worldwide availability.
It makes no difference where in the world you require your flange connections – Parker delivers worldwide. Sales offices in every country and a wide distributor network ensure that your Parflange® F37 components reach their assembly point quickly, safely and reliably. Anywhere in the world.

The great advantage principle

saves much time and money!

Feature	Customer Value
No welding	<ul style="list-style-type: none"> - Reduced preparation time per joint - No costly inspection of welds (X-ray)
No post-weld cleaning	<ul style="list-style-type: none"> - No acid cleaning costs - No waste cleaning costs - No safety risk - Environmentally friendly
No welding stress corrosion possible	<ul style="list-style-type: none"> - Maximum piping lifetime - Reduced maintenance costs
No „hot work“ permit required	<ul style="list-style-type: none"> - Operation can take place in areas with fire risk without interruption of production - Reduced downtime costs - Higher level of safety
Work shop prefabrication	<ul style="list-style-type: none"> - High quality joints with better accuracy due to workshop conditions - Minimized need for on-site work - Shorter installation time - Shorter maintenance/downtime - Shorter total project time
Cleanliness	<ul style="list-style-type: none"> - Minimised need for repair and replacement of hydraulic system components such as pumps, cylinders,... - Reduced overall flushing time and costs
Easy dismantling and reassembling	<ul style="list-style-type: none"> - Reduced downtime costs for maintenance and repair - Quicker, easier and more flexible installation

Time Saving Calculation (for 2" flange/60 mm tube)	Welding	F37®
Cut and deburr tube [min]	3	3
Tube preparation for welding [min]	2	0
Prepare equipment/Work area [min]	5	3
Welding/assembly time [min]	60	10
Inspect and test (x-ray) [min]	45	0
Tube cleaning [min]	30	7
Total time per connection [min]	145	23
Time Saving F37® per connection in min	122	
Number of welded connections per unit	50	
Number of produced units per year	120	
Number of welded connections per year	6.000	
Hourly labour cost	50 €	
Labour cost per connection	121 €	19 €
F37® Installation Savings compared to Welded Systems		
Installation time saved per unit [hrs]	102	
Installation time saved per year [hrs]	12.200	
Installation labour cost saved per system	5.083 €	
Installation labour cost saved per year	610.000 €	

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