

PROFILE OF REQUIREMENTS



Pipework – Connecting (Delivery + Pre-Fabrication in Workshop + Installation on Site)

Company Profile - Requirements for the Research

Assignment – Definition

The **connecting pipework systems** connect hand over points, pre-assembled control groups (pumps groups, filter groups, ...), tanks, heat exchangers, air supply units, spraybooths, ovens,

Company Size and Number of Employees

- Total length of pipework for one paint shop: approx. 20.000 meters
- Employees for pre-fabrication in the work shop: approx. 15
- Employees for installation on site: approx. 35

Pipework Material

- Stainless steel 304L / 1.4307 / DIN EN 10217-7 – DIN EN ISO 1127
- Stainless steel 316L / 1.4404 / DIN EN 10217-7 – DIN EN ISO 1127
- Mild steel 1.0255 – P235TR2 / St37.4 / DIN EN 10217-1 - DIN EN ISO 10220
- Mild steel – galvanized DIN EN 10240
- Plastic PP-H DIN EN 8077/78

Pipework Connections

- Flange connection => steel + plastic pipes
- Welded connection => steel + plastic pipes
- Screwed connection
- Pressed connection
- Victaulic couplings

Standard - Norm

- DIN EN 13480 1-5
- Pressure equipment directive
- CE Certificate

Certificates:

- Welding certificates
 - mild steel
 - stainless steel => TIG welding
- A1 certificate of employment

Correspondence

- English or German mandatory for contact person + supervisor on site

Experience / Competences

- Experience in handling mild steel and stainless steel material.
- Experience in the automotive industry desirable.
- Experience in working in foreign countries.

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Description of production equipment for better understanding what we are looking for

- Workshop for pre-fabrication
- Storage area
- Professional tools
- Sawing machine / Cutting machine
- TIG welding equipment
- Orbital welding machine
- Bending machine
- Collaring machine (T-Drill) for forming of unequal T-pieces (deutsch: Aushalsmaschine)
- Flanging machine

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Scope of supply => All material and services which are necessary to deliver and to install complete professional pipework systems.

- Pipes and hoses
- Molded parts: elbows, t-pieces, reducers, flanges, stub ends, nipples, ...
- Pre-fabrication in the work shop
- Installation on site
- Connecting parts: clamps, gaskets, screws, ...
- Fixing material: holders, supports, hangers, brackets, ... => C-profile-rail system (HILTI, SIKLA, ...)
 - load calculation + design by the pipework supplier
- Installation of parts supplied by DÜRR => ball valves, butterfly valves, flow meters, ... (marked with "X" in the material lists)
- Flushing, pressure test, leakage test, function test
- Painting
- Labeling
- Transport
- Insurance
- Documentation
- Site organization: scaffolds, lifting devices, container, traveling, accomodation, rental car, flight, ...
- ...

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Pipework for Pre-Treatment (PT) + E-Coat (EC) area



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Examples



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Pre-Fabrication

