

# PRODUCT - OVERVIEW

**Topic: High Pressure Pumps TAP**  
**Product: TAP12 to TAP60 Overview**

TAP-Pumpen-Überblick\_PÜ\_E

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## Product overview of Kopperschmidt TAP pumps:

High pressure pumps TAP are powerful compressed air operated piston pumps, especially designed for hydrostatic pressure tests of pressure lines and pressure tanks which can be operated either stationary or mobile. Because of the utilization of stainless steel and/or zinc plated steel in the pumps fluid section TAP pumps are eminently suitable to operate with water based liquids. TAP pumps come with 2 different dimensions of air motors and 4 different fluid sections. That makes delivery rates of 8,9 Liters/Minute and hydrostatic pressures up to 600 Bar possible.

## Overview of different pump variants

| Variants:                                                                                                                 | maximum material pressure at: |         |         |         |         |         | Ratio   | transfer volume 1 | transfer volume 2 |
|---------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------|---------|---------|---------|---------|---------|-------------------|-------------------|
|                                                                                                                           | 4 Bar                         | 5 Bar   | 6 Bar   | 7 Bar   | 8 Bar   | 10 Bar  |         |                   |                   |
| TAP 12-160                                                                                                                |                               | 60 Bar  |         |         | 96 Bar  | 120 Bar | 12 : 1  | 8,9 l/min.        | 1,90 l/min.       |
| TAP 12-200                                                                                                                |                               | 100 Bar |         |         | 160 Bar | ---     | 20 : 1  | 8,9 l/min.        | 1,90 l/min.       |
| TAP 20-160                                                                                                                |                               | 100 Bar |         |         | 160 Bar | 200 Bar | 20 : 1  | 5,4 l/min.        | 1,10 l/min.       |
| TAP 20-200                                                                                                                |                               | 150 Bar |         |         | 240 Bar | ---     | 30 : 1  | 5,4 l/min.        | 1,10 l/min.       |
| TAP 40-160                                                                                                                |                               | 200 Bar |         |         | 320 Bar | 400 Bar | 40 : 1  | 2,72 l/min.       | 0,60 l/min.       |
| TAP 40-200                                                                                                                |                               | 300 Bar |         | 400 Bar | ---     | ---     | 60 : 1  | 2,72 l/min.       | 0,60 l/min.       |
| TAP 60-160                                                                                                                |                               | 300 Bar |         | 400 Bar | ---     | ---     | 60 : 1  | 1,76 l/min.       | 0,40 l/min.       |
| TAP 60-200                                                                                                                | 400 Bar                       |         | 600 Bar | ---     | ---     | ---     | 100 : 1 | 1,76 l/min.       | 0,40 l/min.       |
| transfer volume 1 was determined with open pashing out, transfer volume 2 at a backpressure related to 7 Bar air pressure |                               |         |         |         |         |         |         |                   |                   |
| Alle Angaben sind ca. Werte und können leicht abweichen                                                                   |                               |         |         |         |         |         |         |                   |                   |

## Overview of pump configurations

TAP pumps are available in the following configurations:

| Configurations | A1   | A2   | A3   | A4.1 |
|----------------|------|------|------|------|
|                |      |      |      |      |
| Configurations | A4.2 | A5.1 | A5.2 |      |
|                |      |      |      |      |