



## **R1 41 01 01     Technical Directive**

Pneumatics directive for suppliers, erection  
companies, managers and users  
Part 1: Scope and application

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### Information on

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Pneumatics directive for suppliers, erection  
companies, managers and users  
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– Suppliers of pneumatics (as a part of enquiries and ordering specifications)

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– Erection companies

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– The department of Technology & Engineering (TE) and Corus Industrial Education

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**1.2. Aim**

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To realise appropriate hydraulics systems for Corus Steel B.V.

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The reader consists of directives for engineering of hydraulics in the first place, further  
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more requirements concerning drawings, (find) inspection, supply, erection and  
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commissionary.

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The directives are split up in **groups** for **energy conversion and storage, conditioning,**

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**control, use, distribution and instrumentation.**

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Moreover, for each group are data available with a selection of components, of which  
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systems are to be constructed.

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If other components are necessary or preferred, consult the pneumatic engineer involved.

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R1 41 01 00E Complete document

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R1 41 01 02E General

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R1 41 01 03E Selection air supply connection and conditioning

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R1 41 01 04E Selection energy distribution (valves)

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R1 41 01 05E Selection cylinders and air motors

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R1 41 01 06E Pressure measurement and accessories

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R1 41 01 07E Selection piping

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R1 41 01 08E Selection of seals

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**1.3. Standards**

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Apart from the components as listed in this issue, the application of certain components is  
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obligatory, for reasons of safety, environment and other legal requirements.

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These components are listed in the Corus Standards for Pneumatics,

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S1 41 01 01E ("3-way ball valves for cabinet disconnection") and S1 41 01 02E  
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(Oilseparator / environmental filter").

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**1.4.1. Standards**

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As a supplement, National (NEN) and International (EN;ISO) standards for pneumatics are  
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to be respected, unless otherwise agreed. Here, the EN-983 is of special interest (Safety of

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machinery, safety precautions for fluid power systems, pneumatics).

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**1.4.2. Conservation**

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For conservation see Technical Directive R3 10 56 01E, especially chapter 10.1.  
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**1.4.3. Drawing**

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For drawing requirements see Technical Directive R1 05 80 01E, especially chapter 6.  
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Corus Standard

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S1 41 01 01E

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S1 41 01 02E

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EN 983.

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