



R1 41 01 03 Technical Directive
Pneumatics directive for suppliers, erection
companies, managers and users
Part 3: Selection air supply connection and
conditioning

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Pneumatics directive for suppliers, erection
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3.1. Airconditioning equipment

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3.1.1. *Scope and application*

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To the condition of compressed air for pneumatics are certain requirements mentioned in

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the field of: water content, particle contamination and supply pressure

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The applied valves and cylinders are in general suitable for the use of non lubricated air. In

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special cases (air motors) lubricated air is required

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Air conditioning equipment will be mounted in a modular frame With multiple valve

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control hereafter an extra shut-off valve is not necessary Valve cabinet shall have a 3-way

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safety valve according Corus Standard S1 41 01 01E in the supply line outside the cabinet

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Dampers without oil-separation are for the use with non lubricated oil only With the use of

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lubricated air an environmental filter / oil separator according Corus Standard S1 41 01

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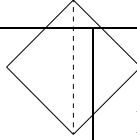
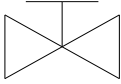
02E is required

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3.1.2. Symbols according NEN 3348 (ISO 1219-1)

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1 shut off valve

2 filter

3 water separator

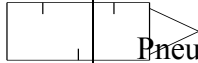
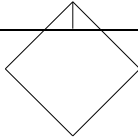
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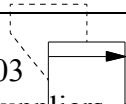
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4 lubricator

5 damper

6 safety valve

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3.1.3. *Technical data*

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Max. operating pressure: 10 bar

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3.1.4. Manufactures and types

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3.1.4.art.a. Norgren serie 64 frames (nominal 1/2")

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1-hole assembly, without shut-off valve with brackets,

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2-holes assembly, complete with shut-off valve and brackets,

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2-holes frame, without shut-off valve with brackets,

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In these assemblies the following modules are possibly applied:

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Filter *), 40 µm, automatic drain, metal reservoir

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Reducing valve, 0,3-10 bar, correction outlet

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Reducer/filter combination (specification as previous)

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Pressure gauge for reducing valve 0-10 bar

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G1B 53 10 bar

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Lubricator, micro fog, contents 0,2 ltr, metal reservoir

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Lubricator, microfog, contents 1 ltr (only for 1-hole assembly)

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Slow start valve **) Pneumatically operated

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Alias, electrically operated

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A filter rating of 40 µm is the common value. For proportional and servo systems a filter

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with rating 5 μm is available, type: F64G-NNN-AD1 or B64G-NNK-AD1-RMN

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For slow start valves with thread connection, see Technical Directive R1 41 01 04E,

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paragraph 4.6

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3.1.4.art.b. Norgren olympiade 15 frames (nominal 1")

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1 - hole assembly, complete with shut-off valve and brackets,

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1 - hole assembly, without shut-off valve with brackets,

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2 - holes assembly, complete with shut-off valve and brackets,

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1 - hole assembly, without shut-off valve with brackets,

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Filter, 25 µm, automatic drain, metal reservoir with looking glass

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Reducer-filter combination (specification as previous)

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Pressure gauge for reducing valve 0-10 bar

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G1B 53 10 bar

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Lubricator, contents 0,5 ltr,

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micro fog (for larger distances) L15-000-MP90

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3.1.4.art.c. Filters

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Filter, 25 µm, automatic drain, metal reservoir with looking glass, connection

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R 1 1/4"

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Filter, same, connection R 1 1/2"

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Filter, same, connection R 2"

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Automatic drain for pipes and vessels, transparent bowl, connection R 1/2"

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3.1.4.art.d. Lubricators

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Same lubricators, connection R 1 1/2"

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Same lubricators, 8 ltr, connection R 2"

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3.1.4.art.e. Reducing valves

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Same, 0,16-7 bar

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11 400-2G (7 bar)

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Remote controlled reducing valve,

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Pilot control with:

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Remote controlled reducing valve, connection G 1 1/2"

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(same pilot valve)

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Part 3: Selection air supply connection and
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Pressure gauge

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for regulator, 0-4 bar

G1B 53 4 bar

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for regulator, 0-10 bar

G1B 53 10 bar

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3.1.4.art.f. Safety valves

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Pressure relief valves,

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Part 3: Selection air supply connection and
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Remote controlled safety valve, connection G 1", same pilot as regulator, in some case in

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conditioning

combination

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3.1.4.art.g. Pressure gauges

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conditioning

Pressure gauges \varnothing 53 mm,

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R 1/8", underneath, 0-10 bar

G2B 53 10 bar

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3.1.4.art.h. Oil-separators (environmental filters)

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conditioning

See Corus Standard S1 41 01 01E

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3.1.4.art.i. Silencers without oil-separator

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Manufacture: Norgren

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Type number

Connection G" male threaded

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Manufacture: Ross (max 6 bar!)

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Type number

Connection G"

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3.1.4.art.j. Screw-in filters

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Manufacture: Norgren

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Type number

Connection G" male threaded

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SP/IF-3/8"

3/8"

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3.2. References

R1 41 01 03

Pneumatics directive for suppliers, erection
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In this Technical Directive reference is made to

R1 41 01 03
Pneumatics directive for suppliers, erection
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3.3. Statement

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none

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logo has changed

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