**Components in our laboratory**

Introduction:

The BBB equipment set is compiled for basic training in pneumatic control technology. It contains all the components required to meet the specified aims. In addition, a profile plate and a compressed air supply are required.

Learning objectives:

By the end of this learning sequence you will be …

* … familiarised with the BBB equipment set.
* … able to identify the different components of the equipment set.

**Homework**

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Make your own vocab cards and learn the new vocabulary!

**Task**

Complete the table using the data sheets given. Work on your own.

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| **Device** | **Symbol** | **English** | **German** |
|  |  | Start-up valve with filter control valve | Einschaltventil mit Filterregelventil |
|  |  | Manifold | Verteilerblock |

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| **Device** | **Symbol** | **English** | **German** |
|  |  | 3/2-way valve with pushbutton actuator, normally closed | 3/2-Wegeventil mit Drucktaster, in Ruhestellung gesperrt |
|  |  | 3/2-way valve with push button, normally open | 3/2-Wegeventil mit Drucktaster, in Ruhestellung geöffnet |
|  |  | 3/2-way valve with selector switch, normally closed | 3/2-Wegeventil mit Wahlschalter, in Ruhestellung gesperrt |
|  |  | 5/2-way valve with selector switch | 5/2-Wegeventil mit Wahlschalter |
|  |  | 3/2-way roller lever valve, normally closed | 3/2-Wege-Rollenhebelventil, in Ruhestellung gesperrt |
| Moser 014.JPG |  | 3/2-way roller lever valve with idle return, normally closed | 3/2-Wege-Kipprollenventil, in Ruhestellung gesperrt |

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| **Device** | **Symbol** | **English** | **German** |
|  |  | Dual-pressure valve (AND) | Zweidruckventil (UND) |
|  |  | Shuttle valve (OR) | Wechselventil (ODER) |
|  |  | 3/2-way pneumatic valve, pneumatically actuated, one side | 3/2-Wege-Pneumatikventil (umrüstbar) |
|  |  | 5/2-way valve, pneumatically actuated, one side | 5/2-Wege-Pneumatikventil |
|  |  | 5/2-way double pilot valve, pneumatically actuated, both sides | 5/2-Wege-Pneumatik-Impulsventil |
|  |  | Pressure regulator valve with gauge | Druckregelventil mit Manometer |

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| **Device** | **Symbol** | **English** | **German** |
|  |  | Pressure gauge | Druckmessgerät |
|  |  | Pressure sequence valve | Druckschaltventil |
|  |  | Time delay valve, normally closed | Verzögerungs-ventil, in Ruhestellung gesperrt |
|  |  | Single-acting cylinder | einfachwirkender Zylinder |
|  |  | Double-acting cylinder | doppeltwirkender Zylinder |
|  |  | Quick exhaust valve | Schnellentlüftungs-ventil |
| **1** |  | One-way flow control valve | Drossel-Rückschlagventil |
|  | **2** | Proximity switch, pneumatic, with cylinder attachment | pneumatischer Näherungsschalter, mit Zylinder- befestigung |