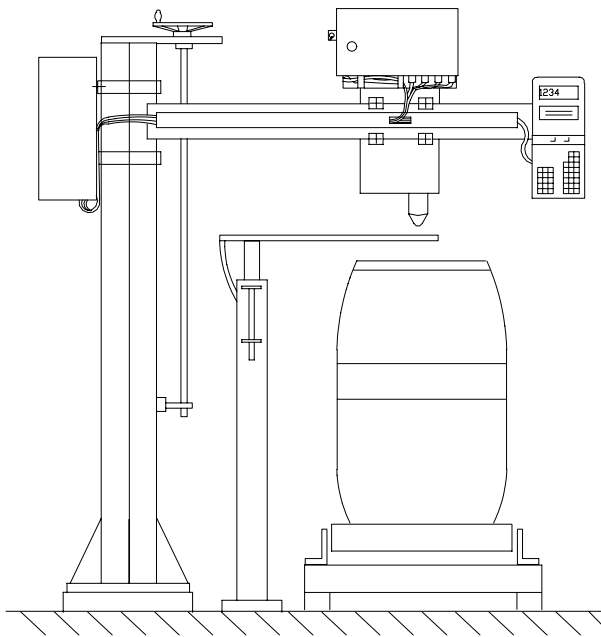


## DISOMAT<sup>®</sup> B plus Automatic Filling Scale (SWA)



- Application package for filling stations
- Suitable for the filling of solids and liquids with integrated spout control
- Operation as Automatic Filling Scale (SWA) or
- Commercial Scale for manually controlled single filling operations
- Filling functions flexibly settable
- Legal-for-trade weigh data memory (optional)
- Barrier assemblies designed for use of scale in the hazardous area

### Application

The DISOMAT B plus Automatic Filling Scale application package comprises all functions required for automatic filling of solids or liquids as well as for manually controlled single filling operations (non-automatic Commercial Scale mode).

Upon request, setting can be performed by Schenck. Detailed description of functions, operating instructions, function block diagram and parameter table are included in the relevant Operating Manual.

In Solids Filling mode, filling starts immediately after start signal (function key, external contact, EDP command).

In Liquids Filling mode, the spout is lowered before the material flow is released. A number of setting parameters enable individual filling sequence configuration.

### Equipment

The application software VKD 20400 replaces the DISOMAT B plus base program; a standard function block linkage is already loaded. Adaption of existing linkage and configuration of individual parameters permit the system to be matched to user's requirements to a large extent.

### Function

The DISOMAT B plus data management stores combined material/container data records (max. 8). They describe the filling of a certain material into a defined hopper including setpoint and all requisite parameters.

Once filling is complete, the acquired weight values are balanced by material type.

After selection of data record, setpoint can be corrected before start of filling; in automatic filling mode, the data are monitored for compliance with the Weights & Measures regulations.

**Input/Output Contacts**  
[Values in brackets available only with Liquid Filling configurations]

**Inputs**

- START Filling
- RELEASE
- ABORT
- Acknowledge Actual Weight
- [START Material]
- [Spout UP]
- [Spout DOWN]
- [Select container ( 3 inputs, 1 low 3 binary or 1 low 7 BCD ) ]

**Outputs**

- READY
- FULL FEED
- MEDIUM FEED
- DRIBBLE FEED
- BYPASS / SHAKE
- MAXMAX
- [Filling ACTIVE]
- [TARE ERROR]
- [No Material Flow]
- [TOLERANCE ERROR]
- [TOLERANCE OK]
- [Filling STOPPED]
- [RAISE Spout]
- [LOWER Spout]

**Function Keys**

- Select Container
- Correct Setpoint
- Start Filling
- Stop Filling
- Abort Filling
- Start Material
- Acknowledge Actual Weight

**Further Options**

- Printer
- External display/control units
- Legal-for-trade memory
- Bus interfaces

<b>Container Data (8 records stored)</b>	<b>Container-independent Parameters</b>
<ul style="list-style-type: none"> <li>- Name</li> <li>- Setpoint</li> <li>- Pre-fill value</li> <li>- Pre-act contact</li> <li>- Medium contact</li> <li>- Main contact</li> <li>- Tolerance</li> <li>- Optimization factor</li> <li>- Tare limit values</li> <li>- MaxMax</li> <li>- Contact check</li> <li>- Shake or bypass limits</li> <li>- Settling time</li> <li>- Min. material flow</li> </ul>	<ul style="list-style-type: none"> <li>- Automatic Filling Scale or Commercial Scale</li> <li>- Spout control Start / Stop</li> <li>- Taring / Start /Stop / Every nth filling operation</li> <li>- Tolerance check Start / Stop / Every nth filling operation</li> <li>- Refilling Yes / No</li> <li>- Fill optimization Yes / No</li> <li>- Acknowledge actual value Yes/ No</li> <li>- Service printout Yes / No</li> </ul>

**Variants**

V012942.B01	DISOMAT B plus front-of-panel mounting unit in 19" rack, complete with VKD 20400 application package for the filling of solids
V012942.B02	DISOMAT B plus front-of-panel mounting unit in 19" rack, complete with VKD 20400 application package and I/O expansion for the filling of liquids
V012942.B03	DISOMAT B plus front-of-panel mounting unit in 19" rack, complete with VKD 20400 application package for the filling of solids; including Zener barriers for use of load cells in the hazardous area (zone 1).
V012942.B04	DISOMAT B plus front-of-panel mounting unit in 19" rack, complete with VKD 20400 application package and I/O expansion for the filling of liquids; including Zener barriers for use of load cells in the hazardous area (zone 1)
V012942.B05	DISOMAT B plus front-of-panel mounting unit in 19" rack, complete with VKD 20400 application package for the filling of solids; including Zener barriers for operation of load cells and separate control terminal in the hazardous area (zone 1).
V012942.B06	DISOMAT B plus front-of-panel mounting unit in 19" rack, complete with VKD 20400 application package and I/O expansion for the filling of liquids; including Zener barriers for use of load cells and separate control terminal in the hazardous area (zone 1)

Further configurations available upon request.  
For more information on DISOMAT B plus SWA, see Manual BV-H2137AA.