

# Rep → news

**2024-11-25**  
**#015**

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Consolidation of the Safety Solenoid Valves MVD in the threaded versions Rp 3/8" - Rp 2 1/2"

## **Technical questions?**

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## Consolidation of the Safety Solenoid Valves MVD in the threaded versions Rp 3/8" – Rp 2 1/2"

The MVD portfolio in the threaded versions, which has grown over the years, is being streamlined.

All previously available standard versions from Rp 3/8" to Rp 2 1/2" will be phased out and replaced by a new established standard portfolio. The phase out of the Safety Solenoid Valves MVD in the threaded versions will take place by the end of Q2/2025 (June 30<sup>th</sup>, 2025).

There will be a last time buy option until the end of Q1/2025 (March 31<sup>st</sup>, 2025).

Spare parts for the previous MVD threaded versions will be available until the end of Q4/2025 (Dec. 31<sup>st</sup>, 2025).

Accessories like the K01 limit switch will fit to the new established portfolio as well.

The new established standard portfolio of Safety Solenoid Valves MVD will be available for sale from April 1<sup>st</sup>, 2025.

The pricing structure will be announced in early 2025. Gross prices will remain similar to the previous versions.



With the new established standard portfolio there will be a consistent series from Rp 3/8" to 2" in 24 VDC, 110 VAC and 230 VAC mains voltage. The max. operating pressure is 500 mbar (50kPa) with a fast opening/fast closing and slow opening/fast closing behaviour. All variants have a throttle included and are IP54 rated.

The CAD models on Traceparts will be updated in the next couple of weeks with the new material numbers.

In addition the design of the connection box and circuit board will be slightly modified and the same for each variant. The connection box will have a transparent cover and the PCB will have an LED and a new terminal for wiring. The push-in functionality allows a valve to be wired through another valve, there is enough space for two wires per terminal.

The black cover of the connection box, the screw terminals and the two pieces connection box will disappear.



New PCB with LED and new push-in terminal



New connection box

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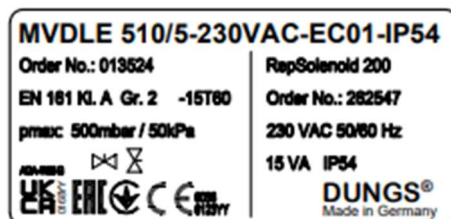
The new nomenclature looks like this:

Option	Description
MVD	Single-stage safety solenoid valve, normally closed, fast opening, fast closing, manual limitation of flowing gas volume by adjusting main volume.
MVDLE	Single-stage safety solenoid valve, normally when closed, slow opening, fast closing. Opening time adjustment with fast stroke range. Main volume adjustment.
5	500 mbar (50 kPa)/7 psi max. operating pressure
03	Rp 3/8, nominal diameter 10
05	Rp 1/2, nominal diameter 15
07	Rp 3/4, nominal diameter 20
10	Rp 1, nominal diameter 25
15	Rp 1 1/2, nominal diameter 40
20	Rp 2, nominal diameter 50
/5	European version, K01 closed position signal contact optional mountable
-24 VDC	Mains voltage 24 VDC
-110 VAC	Mains voltage 110 VAC; 50/60 Hz
-230 VAC	Mains voltage 230 VAC; 50/60 Hz
-EC01	Electrical connection: Push-in terminal via M20
-EC05	Electrical connection: plug accordance to DIN EN 175301-803
-IP54	Degree of protection IP54

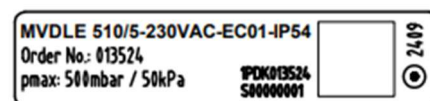
Example: **MVD 510/5-230VAC-EC05-IP54**

All new valves will get a new designed type label.

The special feature is the type label on the solenoid. The information about the valve is on the left-hand side and the information about the solenoid and the order number of the replacement solenoid is on the right-hand side.



Label on the solenoid



Label on the valve body

The special versions like:

- MV 502
- ATEX
- SGN/SGV with Oktagon certification
- S02 non-ferrous metal
- 100 VAC and 200 VAC for Japan
- KDI for the USA market

will remain in the MVD portfolio and be part of the second consolidation project.

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**Affected products**

The 2 ½" versions will not be replaced by the new portfolio due to low sales and quantities in the past.

Here is a list of affected MVD 225 in the 2 ½" threaded version.

Material Number Phase-Out Product	Material Description Phase-Out Product		Material Number Successor Product Part 1	Material Description Successor Product Part 1
211896	MVD 225/5 110 VAC IP 54	→		No Replacement
119701	MVD 225/5 230 VAC IP 54	→		No Replacement
170750	MVD 525/5 230 VAC	→		No Replacement
118935	MVDLE 225/5 230 VAC IP 54	→		No Replacement

Here are all affected phase-out products of the MVD threaded versions!

Order No.	Description	Order No.	Description
242912	MVD 503/5 110 VAC IP 65	274007	MVD 210/5 AC 230V STECKER IP 54 -
108571	MVD 203/5 230 VAC IP 54	270488	MVD 210/5 AC 230V STECKER IP 54 .
158090	MVD 503/5 230 VAC IP 54	274012	MVD 510/5 AC 230V STECKER IP 54 -
233118	MVD 203/5 24-28 VDC IP 65	270493	MVD 510/5 AC 230V STECKER IP 54 .
242913	MVD 503/5 24-28 VDC IP 65	242929	MVD 510/5 24-28 VDC IP 65
108597	MVDLE 203/5 230 VAC IP 54	195550	MVDLE 210/5 110 VAC IP 54
222077	MVDLE 503/5 AC 230V IP 54	271185	MVDLE 210/5 AC 110V STECKER IP 54 .
181190	MVD 205/5 110 VAC IP 54	13524	MVDLE 210/5 230 VAC IP 54
256344	MVD 205/5 110 VAC IP 65	246325	MVDLE 210/5 230 VAC IP 54
231100	MVD 505/5 AC 110V IP 54	263785	MVDLE 210/5 AC 230V IP 54 -
239189	MVD 505/5 AC 110V IP 65	271194	MVDLE 510/5 AC 230V IP 54 .
254169	MVD 205/4 110 VAC IP 54 B. ANZ	257490	MVDLE 210/5 230 VAC IP 54 STECKANSCHLUSS
271179	MVD 205/5 AC 110V STECKER IP 54 .	274017	MVDLE 210/5 AC 230V STECKER IP 54 -
271187	MVD 505/5 AC 110V STECKER IP 54 .	271213	MVDLE 210/5 AC 230V STECKER IP 54 .
254168	MVD 205/4 230 VAC IP 54 B.ANZ(MAGN.100)	195530	MVD 215/5 110 VAC IP 54
263877	MVD 205/5 AC 230V IP 54 -	256342	MVD 215/5 110 VAC IP 65
158110	MVD 505/5 230 VAC IP 54	242933	MVD 515/5 110 VAC IP 65
259650	MVD 505/5 AC 230V IP 54 -	271227	MVD 215/5 110VAC STECKER IP 65 .
208234	MVD 505/5 230 VAC IP 65	271190	MVD 515/5 AC 110V STECKER IP 54 .
274002	MVD 205/5 AC 230V STECKER IP 54 -	271228	MVD 515/5 AC 110V STECKER IP 65 .
270486	MVD 205/5 AC 230V STECKER IP 54 .	271182	MVD 215/5 AC 110V STECKER IP 54 .
274010	MVD 505/5 AC 230V STECKER IP 54 -	246328	MVD 515/5 230 VAC
270491	MVD 505/5 AC 230V STECKER IP 54 .	242934	MVD 515/5 230 VAC IP 65
204780	MVD 205/5 24-28 VDC IP 65	157550	MVD 515/5 230 VAC IP 54
300097	MVD 505/5 24-28 VDC IP 65 - DIN ADAPTER	15446	MVD 215/5 230 VAC IP 54

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209648	MVD 505/5 24-28 VDC STECKANSCHLUSS DIN 4
247481	MVDLE 205/5 110 VAC IP 54
271184	MVDLE 205/5 AC 110V STECKER IP 54 .
246324	MVDLE 205/5 230 VAC
13284	MVDLE 205/5 230 VAC IP 54
263759	MVDLE 205/5 AC 230V IP 54 -
271192	MVDLE 505/5 AC 230V IP 54 .
257488	MVDLE 205/5 230 VAC IP 54 STECKANSCHLUSS
274015	MVDLE 205/5 AC 230V STECKER IP 54 -
271211	MVDLE 205/5 AC 230V STECKER IP 54 .
164920	MVD 207/5 110 VAC IP 54
231096	MVD 507/5 AC 110V IP 54
242921	MVD 507/5 110 VAC IP 65
253973	MVD 207/4 110 VAC IP 54 (MAG.200) B. ANZ
271180	MVD 207/5 AC 110V STECKER IP 54 .
271188	MVD 507/5 AC 110V STECKER IP 54 .
157530	MVD 507/5 230 VAC IP 54
262555	MVD 507/5 AC 230V IP 54 -
273255	MVD207/4 230VAC IP54 B.ANZ.
232420	MVD 507/5 230 VAC IP 65
253972	MVD 207/4 230 VAC IP 54 (MAG.200) B. ANZ
121962	MVD 207/5 230 VAC IP 54 (MAG.NR.200)
263878	MVD 207/5 AC 230V IP 54 -
274005	MVD 207/5 AC 230V STECKER IP 54 -
270487	MVD 207/5 AC 230V STECKER IP 54 .
274011	MVD 507/5 AC 230V STECKER IP 54 -
270492	MVD 507/5 AC 230V STECKER IP 54 .
231866	MVD 507/5 DC 24V IP 65
267256	MVDLE 207/5 110VAC
271197	MVDLE 507/5 AC 110V IP 54 .
13276	MVDLE 207/5 230 VAC IP 54
246323	MVDLE 207/5 230 VAC IP 54
263784	MVDLE 207/5 AC 230V IP 54 -
222079	MVDLE 507/5 AC 230V IP 54
257489	MVDLE 207/5 230 VAC IP 54 STECKANSCHLUSS
274016	MVDLE 207/5 AC 230V STECKER IP 54 -
271212	MVDLE 207/5 AC 230V STECKER IP 54 .
271193	MVDLE 507/5 AC 230V STECKER IP 54 .
195520	MVD 210/5 110 VAC IP 54

121977	MVD 215/5 230 VAC IP 54 (MAG.NR.300)
263880	MVD 215/5 AC 230V IP 54 -
262620	MVD 515/5 AC 230V IP 54 -
274008	MVD 215/5 AC 230V STECKER IP 54 -
270489	MVD 215/5 AC 230V STECKER IP 54 .
274013	MVD 515/5 AC 230V STECKER IP 54 -
270496	MVD 515/5 AC 230V STECKER IP 54 .
242935	MVD 515/5 24-28 VDC IP 65
195560	MVDLE 215/5 110 VAC
267257	MVDLE 215/5 110VAC
15412	MVDLE 215/5 230 VAC IP 54
246326	MVDLE 215/5 230 VAC IP 54
122002	MVDLE 215/5 230 VAC IP 54 (MAG.NR.300)
271198	MVDLE 515/5 AC 110V IP 54 .
271186	MVDLE 215/5 AC 110V STECKER IP 54 .
263786	MVDLE 215/5 AC 230V IP 54 -
222081	MVDLE 515/5 AC 230V IP 54
274018	MVDLE 215/5 AC 230V STECKER IP 54 -
270502	MVDLE 215/5 AC 230V STECKER IP 54 .
271195	MVDLE 515/5 AC 230VSTECKER IP 54 .
195540	MVD 220/5 110 VAC IP 54
242939	MVD 520/5 110 VAC IP 65
271183	MVD 220/5 AC 110V STECKER IP 54 .
271191	MVD 520/5 AC 110V STECKER IP 54 .
271229	MVD 520/5 AC 110V STECKER IP 65 .
242940	MVD 520/5 230 VAC IP 65
11767	MVD 220/5 230 VAC IP 54
246321	MVD 220/5 230 VAC IP 54
263881	MVD 220/5 AC 230V IP 54 -
246330	MVD 520/5 230 VAC
259652	MVD 520/5 AC 230V IP 54 -
274009	MVD 220/5 AC 230V STECKER IP 54 -
270490	MVD 220/5 AC 230V STECKER IP 54 .
274014	MVD 520/5 AC 230V STECKER IP 54 -
270498	MVD 520/5 AC 230V STECKER IP 54 .
242941	MVD 520/5 24-28 VDC IP 65
271199	MVDLE 520/5 AC 110V IP 54 .
246322	MVDLE 220/5 230 VAC IP 54
263787	MVDLE 220/5 AC 230V IP 54 -

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231097	MVD 510/5 AC 110V IP 54
242927	MVD 510/5 110 VAC IP 65
271181	MVD 210/5 AC 110V STECKER IP 54 .
271189	MVD 510/5 AC 110V STECKER IP 54 .
263879	MVD 210/5 AC 230V IP 54 -
157540	MVD 510/5 230 VAC IP 54
259651	MVD 510/5 AC 230V IP 54 -
242928	MVD 510/5 230 VAC IP 65

274019	MVDLE 220/5 AC 230V STECKER IP 54 -
270503	MVDLE 220/5 AC 230V STECKER IP 54 .
271196	MVDLE 520/5 AC 230V STECKER IP 54 .
211896	MVD 225/5 110 VAC IP 54
119701	MVD 225/5 230 VAC IP 54
170750	MVD 525/5 230 VAC
118935	MVDLE 225/5 230 VAC IP 54

### Phase-out list

Below is an extract of the phase-out list for Safety Solenoid Valves MVD in the threaded versions to the new established MVD portfolio. The comparison is based on the nominal size and mains voltage of the valves. Every current version will have a successor of the new established portfolio.

Material Number Phase-Out Product	Material Description Phase-Out Product		Material Number Successor Product Part 1	Material Description Successor Product Part 1
242912	MVD 503/5 110 VAC IP 65	→	305345	MVD 503/5-110VAC-EC01-IP54
108571	MVD 203/5 230 VAC IP 54	→	305347	MVD 503/5-230VAC-EC01-IP54
158090	MVD 503/5 230 VAC IP 54	→	305347	MVD 503/5-230VAC-EC01-IP54
233118	MVD 203/5 24-28 VDC IP 65	→	305349	MVD 503/5-24VDC-EC01-IP54
242913	MVD 503/5 24-28 VDC IP 65	→	305349	MVD 503/5-24VDC-EC01-IP54

While ordering a discontinued MVD threaded version, SAP will refer to the new MVD portfolio. In some case a hint will pop-up that the successor has lightly other features as the former valve e.g. IP54 instead of IP65. The complete phase-out list is attached to this RepNews 2024 #015.

Please note that the valve bodies of the MVD valves remains the same and no additional pipe work is needed by exchanging a valve.

### Next Steps

Please inform your customers about this phase-out MVD single-stage safety solenoid valve series in the threaded versions and offer them the last time buy option or discuss the successor possibilities.