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#009

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## Technical questions?

Please ask our Supportcenter: [supportcenter@dungs.com](mailto:supportcenter@dungs.com) or +49 7181-804-804

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## New SAV from 5<sup>th</sup> August 2024

We're pleased to announce the release of a redesigned SAV used as a standalone product as well as in combination with the FRM and FRM-NOC. This new design brings a more robust construction, with improved performance and a reduction in types maintaining the same operating ranges for over and under pressure protection.

The ordering article numbers won't change for FRM and FRM-NOC. And for the SAV as stand-alone product, there will be no new articles neither, just a reduction of the total amount. Now there will be a combination of ND-MD type and HD-UHD type. For all those products, all deliveries starting from 5<sup>th</sup> August 2024 will be done with the new design. Please find at the end of the document information about new spring ranges and the external dimensions in comparison to the current ones.

In case of SAV, with the extended range of the MD down to ND and UHD down to HD, we will phase out the following articles:

Articles to be phased out on 05.08.2024		Replacement articles	
Art. No.	Description	Art. No.	Description
270290	SAV 100025 ND	270291	SAV 100025 ND-MD
270292	SAV 100025 HD	271122	SAV 250025 HD-UHD
270293	SAV 100040 ND	270294	SAV 100040 ND-MD
270295	SAV 100040 HD	271123	SAV 250040 HD-UHD
270296	SAV 100050 ND	270297	SAV 100050 ND-MD
270298	SAV 100050 HD	271124	SAV 250050 HD-UHD
277797	SAV 100025 ND ANSI	277799	SAV 100025 ND-MD ANSI
277800	SAV 100025 HD ANSI	275186	SAV 250025 HD-UHD ANSI
277801	SAV 100040 ND ANSI	277802	SAV 100040 ND-MD ANSI
277803	SAV 100040 HD ANSI	275184	SAV 250040 HD-UHD ANSI
277804	SAV 100050 ND ANSI	277805	SAV 100050 ND-MD ANSI
277806	SAV 100050 HD ANSI	273855	SAV 250050 HD-UHD ANSI
287907	SAV 10010 ND	287908	SAV 10010 ND-MD
287910	SAV 10015 ND	287911	SAV 10015 ND-MD
287913	SAV 10020 ND	287914	SAV 10020 ND-MD
287916	SAV 10010 ND NPT	287917	SAV 10010 ND-MD NPT
287919	SAV 10015 ND NPT	287917	SAV 10010 ND-MD NPT
287922	SAV 10020 ND NPT	287923	SAV 10020 ND-MD NPT

For those listed articles, last order date is on 2024-07-05. However, functionality will be completely covered by the replacement article proposed.

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**Replacement parts:**

For replacement kits there will be new ordering numbers.

**ASE:**

Replacement kits ASE will have new article and those new replacement are compatible with the previous one, therefore the old replacement will be phased out at same time as releasing the new ones.

Articles to be phased out on 05.08.2024		Replacement articles	
Art. No.	Description	Art. No.	Description
270375	Repl. Kit ASE FRM/SAV DN25 ND	303391	Repl. Kit ASE SAV 10/15/25 ND-MD
270376	Repl. Kit ASE FRM/SAV DN25 MD	303391	Repl. Kit ASE SAV 10/15/25 ND-MD
270377	Repl. Kit ASE FRM/SAV DN25 HD/UHD	303392	Repl. Kit ASE SAV 10/15/25 HD-UHD
270378	Repl. Kit ASE FRM/SAV DN40 ND	303393	Repl. Kit SAV 20/40 ND-MD
270379	Repl. Kit ASE FRM/SAV DN40 MD	303393	Repl. Kit SAV 20/40 ND-MD
270380	Repl. Kit ASE FRM/SAV DN40 HD/UHD	303398	Repl. Kit SAV 20/40 HD-UHD
270381	Repl. Kit ASE FRM/SAV DN50 ND	303395	Repl. Kit SAV 50 ND-MD
270382	Repl. Kit ASE FRM/SAV DN50 MD	303395	Repl. Kit SAV 50 ND-MD
270383	Repl. Kit ASE FRM/SAV DN50 HD/UHD	303396	Repl. Kit SAV 50 HD-UHD
287777	Repl. ASE FRM-NOC/SAV 10010/15 ND	303391	Repl. Kit ASE SAV 10/15/25 ND-MD
287778	Repl. ASE FRM-NOC/SAV 10010/15 MD	303391	Repl. Kit ASE SAV 10/15/25 ND-MD
287779	Repl. ASE FRM-NOC/SAV 10010/15 HD/UHD	303392	Repl. Kit ASE SAV 10/15/25 HD-UHD
287780	Repl. ASE FRM-NOC/SAV 10020/040 ND	303393	Repl. Kit SAV 20/40 ND-MD
287781	Repl. ASE FRM-NOC/SAV 10020/040 MD	303393	Repl. Kit SAV 20/40 ND-MD
287782	Repl. ASE FRM-NOC/SAV 10020/040 HD/UHD	303398	Repl. Kit SAV 20/40 HD-UHD
287783	Repl. ASE FRM-NOC/SAV 100025 ND	303391	Repl. Kit ASE SAV 10/15/25 ND-MD
287784	Repl. ASE FRM-NOC/SAV 100025 MD	303391	Repl. Kit ASE SAV 10/15/25 ND-MD
287785	Repl. ASE FRM-NOC/SAV 100025 HD/UHD	303392	Repl. Kit ASE SAV 10/15/25 HD-UHD

With the new replacement ASE, you'll need to specify the type of fittings you require. Whether if it's for the US market, CE markets or for a FRM-NOC with internal impulse. Those connections are now part of the configuration of the article and there are 3 alternatives:

1. Ext-EU: Impulse lines fittings for 12mm pipe and atmospheric connections G type (ISO228/1)
2. Ext-US: Impulse lines fittings for ½" OD pipe and atmospheric connections NPT
3. Int: For FRM-NOC with internal impulse.

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Springs and Valve seat orifices:

There will be new springs for SAV and valve seat orifices for SAV, FRM and FRM-NOC. However, as they are not compatible with the previous design there will be a coexistence with old and new parts for a period of 2 years, when the old replacements will be phased out.

**Articles to be phased out on 05.08.2026**

Art. No.	Description
270353	Repl.kit spring SAV Wdsu ø1,2 white
270355	Repl.kit spring SAV Wdsu ø1,5 yellow
270356	Repl.kit spring SAV Wdsu ø2,0 blue
270357	Repl.kit spring SAV Wdsu ø2,3 black
270358	Repl.kit spring SAV Wdsu ø2,5 lilac
270359	Repl.kit spring SAV Wdsu ø2,8 orange
270360	Repl.kit spring SAV Wdsu ø3,0 pink
276126	Repl.kit spring SAV Wdsu ø3,5 pink
270361	Repl.kit spring SAV Wdso ø2,2 silver
270366	Repl.kit spring SAV Wdso ø2,5 green
270367	Repl.kit spring SAV Wdso ø2,7 red
270368	Repl.kit spring SAV Wdso ø3,2 yellow
270369	Repl.kit spring SAV Wdso ø3,5 blue
270370	Repl.kit spring SAV Wdso ø3,7 black
270371	Repl.kit spring SAV Wdso ø4,0 lilac
270372	Repl.kit spring SAV Wdso ø4,5 orange
270373	Repl.kit spring SAV Wdso ø4,8 pink
271115	Repl.kit spring SAV Wdso ø5,0 white
270390	Repl. Valve seat FRM DN25
270391	Repl. Valve seat FRM DN40
270392	Repl. Valve seat FRM DN50
270391	Repl. Valve seat FRM DN40
270392	Repl. Valve seat FRM DN50
287755	Repl.kit orifices FRM-NOC 10010/15
287756	Repl.kit orifices FRM-NOC 100025
287757	Repl.kit orifices FRM-NOC 10020/040
287758	Repl.kit orifices FRM-NOC 100050

**Ordering process during transition phase**

FRM and FRM-NOC orders can be ordered normally at any time. Any delivered unit from the 5<sup>th</sup> August 2024 on will be assembled with the new design of the SAV. In that case, the SAV settings will be maintained, but be aware that the spring range will change to the new ones.

SAVs that will be phased out (see previous list), can be ordered until 5<sup>th</sup> July 2024. From 6<sup>th</sup> July 2024, the article number must be changed to the equivalent replacement. Please consider the new spring and setting ranges.

New articles (replacement parts) can be ordered beginning of July, but deliveries starting from 5<sup>th</sup> August 2024.

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Please be aware that incoming orders during the transition period in July might have a delayed order confirmation and lead times will be increased eventually. We need to evaluate case by case on the production lead time together with the design used. Thanks for your understanding and patience.

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## Reed contact for new SAV

With the launch of the new SAV, we're pleased to announce a new feature for this. The reed contact is an accessory to mount on the SAV to give an electrical signal whether SAV is in open or closed position.

The kit includes the sensor, a magnetic counterpart to be threaded on the shaft and a different protecting cap where the sensor is installed. On our web site you can find the related documentation following the link:

<https://www.dungs.com/en/productgroups/accessories>

There's only one kit that fits all SAV (1"-2", DN 25-50).

Article number: 288374

Sales release date: 2024-08-05



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## New SAV Spring Comparison

OLD

NEW

UPSO

Specific adjustment range, underpressure $W_{dsu}$							
Spring colour	Order number	Wire diameter [mm]	Length [mm]	Diameter [mm]	Setpoint range [mbar]		
					ND	MD	UHD
White	270353	1.2	60	10.0	10-32		
Yellow	270355	1.5	55	12.3	24-40		
Blue	270356	2.0	55	12.3	30-115	35-110	
Black	270357	2.3	55	12.3		50-250	
Purple	270358	2.5	55	12.3		80-400	150-500
Orange	270359	2.8	55	12.3			300-1000
Silver	270360	3.0	60	15.0			800-1400
Pink	276126	3.5	60	15.0			1200-3000

Specific adjustment range, underpressure $W_{dsu}$						
Spring colour	Order number	Wire diameter	Length [mm]	Diameter [mm]	Setpoint range [mbar]	
					ND / MD	HD / UHD
Yellow	303322	1,4	58,5	13	10 - 30	-
Blue	303323	1,6	58,2	13	25 - 90	150 - 290
Black	303324	1,8	58,3	13	70 - 160	250 - 560
Purple	303325	2	58,3	13	140 - 310	520 - 1100
Orange	303326	2,25	58,3	13	290 - 500	1050 - 1800
Pink	303327	2,5	58,2	13	-	1650 - 3000

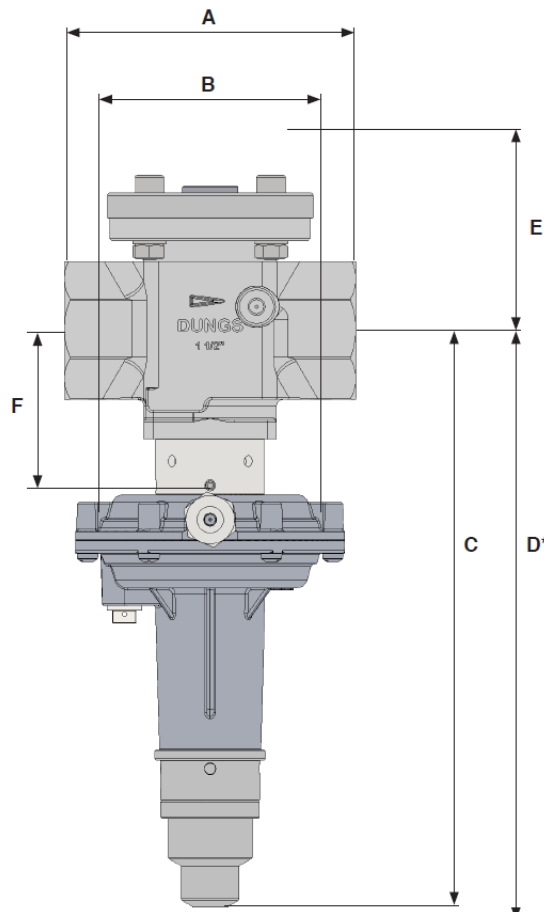
OPSO

Specific adjustment range, overpressure $W_{dso}$							
Spring colour	Order number	Wire diameter [mm]	Length [mm]	Diameter [mm]	Setpoint range [mbar]		
					ND	MD	UHD
Silver	270361	2.2	60	30.0	40-130		
Green	270366	2.5	60	30.0	60-190		
Red	270367	2.7	60	30.0	90-240	180-290	
Yellow	270368	3.2	60	30.0		230-370	
Blue	270369	3.5	60	30.0		300-500	500-1000
Black	270370	3.7	60	30.0		400-800	700-1300
Purple	270371	4.0	60	30.0			1000-1800
Orange	270372	4.5	60	30.0			1300-2500
Pink	270373	4.8	60	30.0			1800-3500
White	271115	5.0	60	30.0			2500-5000

Specific adjustment range, overpressure $W_{dso}$						
Spring colour	Order number	Wire diameter	Length [mm]	Diameter [mm]	Setpoint range [mbar]	
					ND / MD	HD / UHD
Silver	303334	2,4	55,2	30	60 - 140	-
Green	303335	2,8	55	30	80 - 220	-
Red	303336	3,2	54,6	30	160 - 450	600 - 1700
Yellow	303337	3,6	54,5	30	300 - 680	1250 - 2500
Blue	303338	4	54,5	30	500 - 1000	1900 - 4500
Black	303339	4,25	54,4	30	-	3500 - 5000

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## New SAV Dimensional comparison



## OLD

Type	Order number		p max. [bar/kPa]	Con- nection	Dimensions [mm]								Weight [kg]
	G	NPT			A	B	C	D	E	F	G	H	
SAV 10010 ND	287907	287916	10 / 1 000	1"	104	120	238	488	62	77	12 x 1,5	G ¼	4,1
SAV 10010 MD	287908	287917	10 / 1 000	1"	104	120	238	488	62	77	12 x 1,5	G ¼	4,1
SAV 25010 UHD	287909	287918	25 / 2 500	1"	104	120	243	493	62	77	12 x 1,5	G ¼	4,1
SAV 10015 ND	287910	287919	10 / 1 000	1½"	132	120	240	490	62	79	12 x 1,5	G ¼	5,4
SAV 10015 MD	287911	287920	10 / 1 000	1½"	132	120	240	490	62	79	12 x 1,5	G ¼	5,4
SAV 25015 UHD	287912	287921	25 / 2 500	1½"	132	120	245	495	62	79	12 x 1,5	G ¼	5,4
SAV 10020 ND	287913	287922	10 / 1 000	2"	156	120	249	499	106	88	12 x 1,5	G ¼	8,7
SAV 10020 MD	287914	287923	10 / 1 000	2"	156	120	249	499	106	88	12 x 1,5	G ¼	8,7
SAV 25020 UHD	287915	287924	25 / 2 500	2"	156	120	254	504	106	88	12 x 1,5	G ¼	8,7

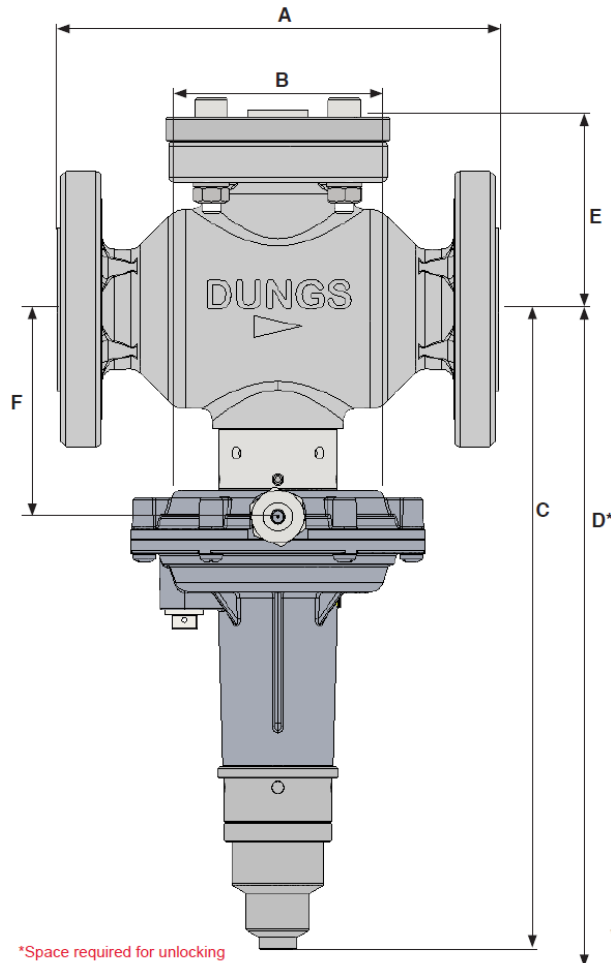
## NEW

Typ	Bestellnummer		p max. [bar/kPa]	Anschluss	Einbaumaße [mm]							
	Rp	NPT			A	B	C	D	E	F	G	H
SAV 10010 ND-MD	287908	287908	10 / 1000	1"	104	122	267	317	69,5	86,5	12 x 1,5	G 1/4
SAV 25010 HD-UHD	287909	287909	25 / 2500	1"	104	122	267	317	69,5	86,5	12 x 1,5	G 1/4
SAV 10015 ND-MD	287911	287911	10 / 1000	1 1/2"	132	122	263	313	69,5	86,5	12 x 1,5	G 1/4
SAV 10015 HD-UHD NPT	287912	287912	25 / 2500	1 1/2"	132	122	263	313	69,5	86,5	12 x 1,5	G 1/4
SAV 10020 ND-MD	287914	287914	10 / 1000	2"	156	122	268	318	103	97,5	12 x 1,5	G 1/4
SAV 10020 HD-UHD NPT	287915	287915	25 / 2500	2"	156	122	268	318	103	97,5	12 x 1,5	G 1/4

- Same length
- Higher height (10-30mm bottom distance)
- Lower free distance below needed for Exchange ASE or springs



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## OLD

Type	Order number		p max. [bar/kPa]	DN	Dimensions [mm]								Weight [kg]
	DIN	ANSI			A	B	C	D	E	F	G	H	
SAV 100025 ND	270290	277797	10 / 1 000	25	184	120	240	490	83	78	12 x 1,5	G ¼	7,6
SAV 100025 MD	270291	277799	10 / 1 000	25	184	120	237	487	83	78	12 x 1,5	G ¼	7,6
SAV 250025 UHD	271122	275186	25 / 2 500	25	184	120	244	494	83	78	12 x 1,5	G ¼	7,6
SAV 100040 ND	270293	277801	10 / 1 000	40	223	120	251	501	106	90	12 x 1,5	G ¼	13,3
SAV 100040 MD	270294	277802	10 / 1 000	40	223	120	497	497	106	90	12 x 1,5	G ¼	13,3
SAV 250040 UHD	271123	275184	25 / 2 500	40	223	120	255	505	106	90	12 x 1,5	G ¼	13,3
SAV 100050 ND	270296	277804	10 / 1 000	50	254	120	260	510	116	99	12 x 1,5	G ¼	16,0
SAV 100050 MD	270297	277805	10 / 1 000	50	254	120	256	506	116	99	12 x 1,5	G ¼	16,0
SAV 250050 UHD	271124	273855	25 / 2 500	50	254	120	264	514	116	99	12 x 1,5	G ¼	16,0

## NEW

Typ	Bestellnummer		p max. [bar/kPa]	DN	Einbaumaße [mm]							
	DIN	ANSI			A	B	C	D	E	F	G	H
SAV 100025 ND-MD	270291	277799	10 / 1000	25	184	122	267	317	88	86,5	12	G 1/4
SAV 250025 HD-UHD	271122	275186	25 / 2500	25	184	122	267	317	88	86,5	12	G 1/4
SAV 100040 ND-MD	270294	277802	10 / 1000	40	223	122	273	323	104	96,5	12	G 1/4
SAV 250040 HD-UHD	271123	275184	25 / 2500	40	223	122	273	323	104	96,5	12	G 1/4
SAV 100050 ND-MD	270297	277805	10 / 1000	50	254	122	276	326	116	105	12	G 1/4
SAV 250050 HD-UHD	271124	273855	25 / 2500	50	254	122	276	326	116	105	12	G 1/4

- Same length
- Higher height (10-30mm bottom distance)
- Lower free distance below needed for Exchange ASE or springs