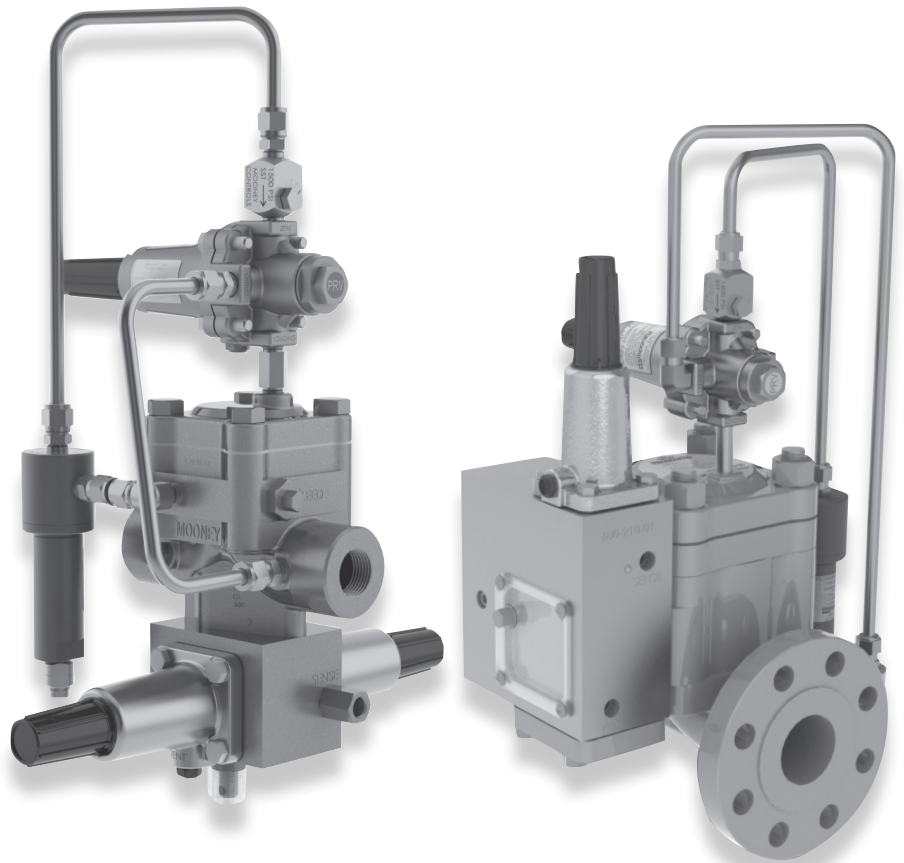


# Flowgrid™ Slam Shut

Ordering Guide (Rev.C)



**SG-123**      —      **L - 75 SDH - 80H - B N O B U R**

**1 inch Flowgrid Regulator with an Integrated SSV**

SG-123	1 inch NPT
SG-125	1 inch SWE
SG-127	CL 150 RF
SG-128	CL 300 RF

Main Spring Code	Description
	Standard
L	Low Differential

Throttle Plate Code	Description
100	100% Slotted
75	75% Slotted
50	50% Slotted
35	35% Slotted
100 DH	100% Drilled Hole
75 DH	75% Drilled Hole
50 DH	50% Drilled Hole
35 DH	35% Drilled Hole
75 SDH	75% Stepped Drilled Hole
50 SDH	50% Stepped Drilled Hole
35 SDH	35% Stepped Drilled Hole

Diaphragm Code	Description
60	60 Durometer
75	75 Durometer
80H	80 Durometer High ACN
80L	80 Durometer Low ACN
V	Viton®

Controller Type Code	Description
A	Series 41 (Single Function)
B	Series 41D (Dual Function)

Seat Material Code	Description
N	95 Durometer Nitrile
B	80L Durometer Nitrile

**Function 1**

Protection Pressure Code	Description
U	Under Pressure Trip
O	Over Pressure Trip

Spring Range Code	Description	Function 1 Color
R	5 - 10 psi (0.35 - 0.7 Bar)	Red
PL	10 - 40 psi (0.7 - 3 Bar)	Plated
B	40 - 90 psi (3 - 6 Bar)	Blue
P	90 - 175 psi (6-12 Bar)	Purple
BK	175 - 250 psi (12 - 17 Bar)	Black
WG	250 - 450 psi (17 - 31 Bar)	White/Green

**Function 2**

Protection Pressure Code	Description
U	Under Pressure Trip
O	Over Pressure Trip

Spring Range Code	Description	Function 2 Color
R	5 - 10 psi (0.35 - 0.7 Bar)	Red
PL	10 - 40 psi (0.7 - 3 Bar)	Plated
B	40 - 90 psi (3 - 6 Bar)	Blue
P	90 - 175 psi (6-12 Bar)	Purple
BK	175 - 250 psi (12 - 17 Bar)	Black
WG	250 - 450 psi (17 - 31 Bar)	White/Green

SA-123 — B N O B U R

**1 inch Stand Alone Slam Shut Valve (Code SA)**

Body Code	Description
SA-123	1 inch NPT
SA-125	1 inch SWE
SA-127	CL 150 RF
SA-128	CL 300 RF

Controller Type Code	Description
A	Series 41 (Single Function)
B	Series 41D (Dual Function)

Seat Material Code	Description
N	95 Durometer Nitrile
B	80L Durometer Nitrile

**Function 1**

Protection Pressure Code	Description
U	Under Pressure Trip
O	Over Pressure Trip

Spring Range Code	Description	Function 1 Color
R	5 - 10 psi (0.35 - 0.7 Bar)	Red
PL	10 - 40 psi (0.7 - 3 Bar)	Plated
B	40 - 90 psi (3 - 6 Bar)	Blue
P	90 - 175 psi (6-12 Bar)	Purple
BK	175 - 250 psi (12 - 17 Bar)	Black
WG	250 - 450 psi (17 - 31 Bar)	White/Green

**Function 2**

Protection Pressure Code	Description
U	Under Pressure Trip
O	Over Pressure Trip

Spring Range Code	Description	Function 2 Color
R	5 - 10 psi (0.35 - 0.7 Bar)	Red
PL	10 - 40 psi (0.7 - 3 Bar)	Plated
B	40 - 90 psi (3 - 6 Bar)	Blue
P	90 - 175 psi (6-12 Bar)	Purple
BK	175 - 250 psi (12 - 17 Bar)	Black
WG	250 - 450 psi (17 - 31 Bar)	White/Green

**2 inch Flowgrid Large Port Regulators with an Integrated SSV**

Body Code	Description
SG-27	2" NPT
SG-28	2" SWE
SG-29	CL 150 RF
SG-30	CL 300 RF
SG-31	CL 600 RF
SG-35	CL 150/300 Flangeless
SG-77	2" BWE

**2 inch Flowgrid AC Port Regulators with an integrated SSV**

Body Code	Description
SG-117	CL 300 NPT
SG-118	CL 300 SWE
SG-119	CL 150 RF
SG-120	CL 300 RF
SG-121	CL 600 RF

**3 inch Flowgrid Regulators with an Integrated SSV**

Body Code	Description
SG-16	CL 150 RF
SG-17	CL 300 RF
SG-18	CL 600 RF
SG-61	3" BWE

**4 inch Flowgrid Large Port Regulators with an Integrated SSV**

Body Code	Description
SG-39	CL 150 RF
SG-40	CL 300 RF
SG-63	4" BWE

**6 inch Flowgrid Regulators with an Integrated SSV**

Body Code	Description
SG-44	CL 150 RF
SG-45	CL 300 RF
SG-65	6" BWE

**SG-2 — L - 75 SDH - 80H - B N O B U PL**

Main Spring Code	Description
	Standard
L	Low Differential

Throttle Plate Code	Description
100	100% Slotted
75	75% Slotted
50	50% Slotted
35	35% Slotted
100 DH	100% Drilled Hole
75 DH	75% Drilled Hole
50 DH	50% Drilled Hole
35 DH	35% Drilled Hole
75 SDH	75% Stepped Drilled Hole
50 SDH	50% Stepped Drilled Hole
35 SDH	35% Stepped Drilled Hole

Diaphragm Code	Description
60	60 Durometer
75	75 Durometer
80H	80 Durometer High ACN
80L	80 Durometer Low ACN
V	FKM

Controller Type Code		Description
RH Mount	LH Mount <sup>2</sup>	
A	E	Series 50 (Single Function)
B	F	Series 50D (Dual Function)
C	G	Series 50DS (Dual Function, Dual Sense)
D	H	Series 50X (External Control)

Seat Material Code	Description
N	Nitrile

**Function 1**

Protection Pressure Code	Description
U	Under Pressure Trip
O	Over Pressure Trip

Spring Range Code	Description	Function 1 Color
PL	10 - 40 psi (0.7 - 3 Bar)	Plated
B	40 - 90 psi (3 - 6 Bar)	Blue
P	90 - 175 psi (6-12 Bar)	Purple
BK	175 - 250 psi (12 - 17 Bar)	Black
WG	250 - 450 psi (17 - 31 Bar)	White/Green
BKH	200-520 psi (13-35 Bar)	Black <sup>1</sup>
WGH	400 - 900 psi (28-62 Bar)	White/Green <sup>1</sup>

**Function 2**

Protection Pressure Code	Description
U	Under Pressure Trip
O	Over Pressure Trip

Spring Range Code	Description	Function 2 Color
PL	10 - 40 psi (0.7 - 3 Bar)	Plated
B	40 - 90 psi (3 - 6 Bar)	Blue
P	90 - 175 psi (6-12 Bar)	Purple
BK	175 - 250 psi (12 - 17 Bar)	Black
WG	250 - 450 psi (17 - 31 Bar)	White/Green
BKH	200-520 psi (13-35 Bar)	Black <sup>1</sup>
WGH	400-900 psi (28-62 Bar)	White/Green <sup>1</sup>

**Notes:**

1. CL 600 ratings and set pressures above 450 psig require the use of the Series 51 controller.
2. Left-Hand (LH) mounted controllers are available for 2 Inch and 3 Inch regulators only.

**2 inch Flowgrid Large Port Stand Alone Slam Shut Valve (Code SA) or added on integrated Slam Shut Valve to a Flowgrid Regulator (Code SR)**

Body Code	Description
SA-27, SR-27	NPT
SA-28, SR-28	SWE
SA-29, SR-29	CL 150 RF
SA-30, SR-30	CL 300 RF
SA-31, SR-31	CL 600 RF
SA-35, SR-35	CL 150/300 Flangeless
SA-77, SR-77	Buttweld

**2 inch Flowgrid AC Port Stand Alone Slam Shut Valve (Code SA) or added on integrated Slam Shut Valve to a Flowgrid Regulator (Code SR)**

Body Code	Description
SA-117, SR-117	CL 300 NPT
SA-118, SR-118	CL 300 SWE
SA-119, SR-119	CL 150 RF
SA-120, SR-120	CL 300 RF
SA-121, SR-121	CL 600 RF

**3 inch Flowgrid Stand Alone Slam Shut Valve (Code SA) or added on Integrated Slam Shut Valve to a Flowgrid Regulator (Code SR)**

Body Code	Description
SA-16, SR-16	CL 150 RF
SA-17, SR-17	CL 300 RF
SA-18, SR-18	CL 600 RF
SA-65, SR-65	CL 150/300 Flangeless
SA-61, SR-61	3" BWE

**4 inch Flowgrid Stand Alone Slam Shut Valve (Code SA) or added on Integrated Slam Shut Valve to a Flowgrid Regulator (Code SR)**

Body Code	Description
SA 39, SR 39	CL 150 RF
SA 40, SR 40	CL 300 RF
SA-63, SR-63	4" BWE

**6 inch Flowgrid Stand Alone Slam Shut Valve (Code SA) or added on integrated Slam Shut Valve to a Flowgrid Regulator (Code SR)**

Body Code	Description
SA-44, SR-44	CL 150 RF
SA-45, SR-45	CL 300 RF
SA-65, SR-65	6" BWE

**Notes:**

- CL 600 ratings and set pressures above 450 psig require the use of the Series 51 controller.
- Left-Hand (LH) mounted controllers are available for 2 Inch and 3 Inch valves only.

SA-2		—		B	N	O	P	U	B	-	1
<b>Controller Type Code</b>		<b>Description</b>									
<b>RH Mount</b>	<b>LH Mount<sup>2</sup></b>										
A	E	Series 50 (Single Function)									
B	F	Series 50D (Dual Function)									
C	G	Series 50DS (Dual Function, Dual Sense)									
D	H	Series 50X (External Control)									
<b>Seat Material Code</b>		<b>Description</b>									
N		Nitrile									
<b>Function 1</b>											
<b>Protection Pressure Code</b>		<b>Description</b>									
U		Under Pressure Trip									
O		Over Pressure Trip									
<b>Spring Range Code</b>		<b>Description</b>		<b>Function 1 Color</b>							
PL		10 - 40 psi (0.7 - 3 Bar)		Plated							
B		40 - 90 psi (3 - 6 Bar)		Blue							
P		90 - 175 psi (6-12 Bar)		Purple							
BK		175 - 250 psi (12 - 17 Bar)		Black							
WG		250 - 450 psi (17 - 31 Bar)		White/Green							
BKH		200-520 psi (13-35 Bar)		Black <sup>1</sup>							
WGH		400-900 psi (28-62 Bar)		White/Green <sup>1</sup>							
<b>Function 2</b>											
<b>Protection Pressure Code</b>		<b>Description</b>									
U		Under Pressure Trip									
O		Over Pressure Trip									
<b>Spring Range Code</b>		<b>Description</b>		<b>Function 2 Color</b>							
PL		10 - 40 psi (0.7 - 3 Bar)		Plated							
B		40 - 90 psi (3 - 6 Bar)		Blue							
P		90 - 175 psi (6-12 Bar)		Purple							
BK		175 - 250 psi (12 - 17 Bar)		Black							
WG		250 - 450 psi (17 - 31 Bar)		White/Green							
BKH		200-520 psi (13-35 Bar)		Black <sup>1</sup>							
WGH		400-900 psi (28-62 Bar)		White/Green <sup>1</sup>							
<b>Accessories - If no accessories are required, do not proceed to this section.</b>											
<b>Standard (No Proximity Switch)</b>		<b>Standard (No Proximity Switch)</b>									
R4		Switch Monitoring Open Position/4ft Cable									
R20		Switch Monitoring Open Position/20ft Cable									
S4		Switch Monitoring Close Position/4ft Cable									
S20		Switch Monitoring Close Position/20ft Cable									

## Rebuild Kits

The following kits may be used to rebuild Mooney Slam Shut valves and Flowgrid Slam Shut regulators. Each valve requires both a valve rebuild kit and a controller seal kit for a full refurbishment of the valve.

### Valve Rebuild Kit Part Numbers

Description	Diaphragm Material	Part No.
Rebuild Kit, 1" Slam Shut Valve (Stand-Alone)		601-049-01
Rebuild Kit, 1" Flowgrid Slam Shut Regulator	75 Durometer NBR	601-038-01
Rebuild Kit, 1" Flowgrid Slam Shut Regulator	60 Durometer NBR	601-038-02
Rebuild Kit, 1" Flowgrid Slam Shut Regulator	80 Durometer High ACN	601-038-03
Rebuild Kit, 1" Flowgrid Slam Shut Regulator	80 Durometer Low ACN	601-038-04
Rebuild Kit, 1" Flowgrid Slam Shut Regulator	FKM	601-038-05
Rebuild Kit, 2" Slam Shut Valve (Stand-Alone)		602-030-01
Rebuild Kit, 2" LP Flowgrid Slam Shut Regulator	75 Durometer NBR	602-068-01
Rebuild Kit, 2" LP Flowgrid Slam Shut Regulator	60 Durometer NBR	602-068-02
Rebuild Kit, 2" LP Flowgrid Slam Shut Regulator	80 Durometer High ACN	602-068-03
Rebuild Kit, 2" LP Flowgrid Slam Shut Regulator	80 Durometer Low ACN	602-068-04
Rebuild Kit, 2" LP Flowgrid Slam Shut Regulator	FKM	602-068-05
Rebuild Kit, 2" LP Flowgrid 250 Slam Shut Regulator	75 Durometer NBR	602-033-01
Rebuild Kit, 2" LP Flowgrid 250 Slam Shut Regulator	60 Durometer NBR	602-033-02
Rebuild Kit, 2" LP Flowgrid 250 Slam Shut Regulator	FKM	602-033-05
Rebuild Kit, 3" Slam Shut Valve (Stand-Alone)		603-026-01
Rebuild Kit, 3" Flowgrid Slam Shut Regulator	75 Durometer NBR	603-060-01
Rebuild Kit, 3" Flowgrid Slam Shut Regulator	60 Durometer NBR	603-060-02
Rebuild Kit, 3" Flowgrid Slam Shut Regulator	80 Durometer High ACN	603-060-03
Rebuild Kit, 3" Flowgrid Slam Shut Regulator	80 Durometer Low ACN	603-060-04
Rebuild Kit, 4" Slam Shut Valve (Stand-Alone)		604-024-01
Rebuild Kit, 4" Flowgrid Slam Shut Regulator	75 Durometer NBR	604-023-01
Rebuild Kit, 4" Flowgrid Slam Shut Regulator	60 Durometer NBR	604-023-02
Rebuild Kit, 4" Flowgrid Slam Shut Regulator	80 Durometer Low ACN	604-023-03
Rebuild Kit, 4" Flowgrid Slam Shut Regulator	80 Durometer High ACN	604-023-04
Rebuild Kit, 6" Slam Shut Valve (Stand-Alone)		606-041-01
Rebuild Kit, 6" Flowgrid Slam Shut Regulator	75 Durometer NBR	606-043-01
Rebuild Kit, 6" Flowgrid Slam Shut Regulator	60 Durometer NBR	606-043-02
Rebuild Kit, 6" Flowgrid Slam Shut Regulator	80 Durometer High ACN	606-043-03
Rebuild Kit, 6" Flowgrid Slam Shut Regulator	80 Durometer Low ACN	606-043-04

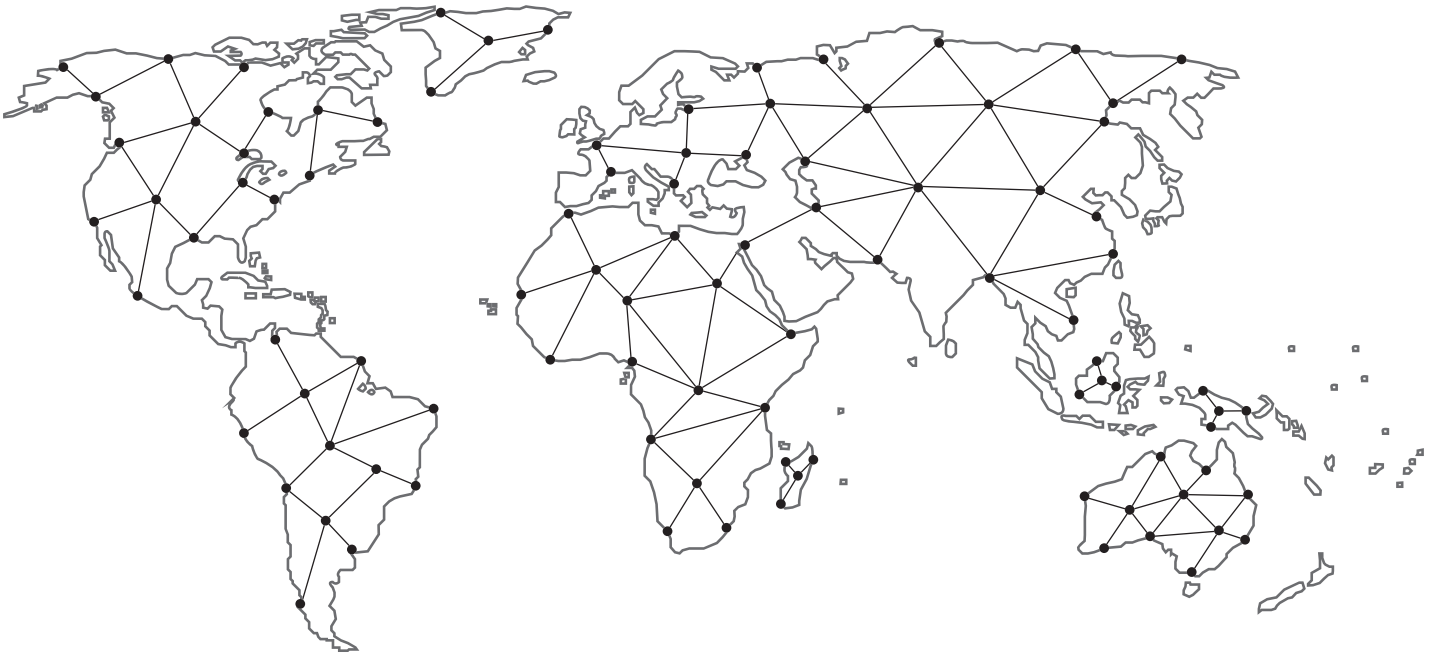
### Controller Seal Kit Part Numbers

Description	Part No.
Seal Kit, Series 41 Controller, 95 Duro Plug Seal	601-039-01
Seal Kit, Series 41 Controller, 80 Duro Plug Seal	601-039-02
Seal Kit, Series 50/51 Controller, Single-Function Over	600-460-01
Seal Kit, Series 51H Controller, Single-Function Over	600-461-01
Seal Kit, Series 50/51 Controller, Single-Function Under	600-462-01
Seal Kit, Series 50/51 Controller, Dual-Function Over/Under	600-463-01
Seal Kit, Series 50/51 Controller, Dual-Function Over/Over	600-464-01
Seal Kit, Series 50/51 Controller, Dual-Function Under/Under	600-465-01
Seal Kit, Series 51 Controller, Dual-Function OverHP/Under	600-466-01
Seal Kit, Series 51 Controller, Dual-Function Over/UnderHP	600-467-01
Seal Kit, Series 51 Controller, Dual-Function OverHP/OverHP	600-468-01
Seal Kit, Series 51H Controller, Single-Function Under	600-469-01
Seal Kit, Series 51 Controller, Dual-Function UnderHP/UnderHP	600-470-01

## Notes:

# Find the nearest local Channel Partner in your area:

[valves.bakerhughes.com/contact-us](https://valves.bakerhughes.com/contact-us)



## Tech Field Support and Warranty:

Phone: +1-866-827-5378

[valvesupport@bakerhughes.com](mailto:valvesupport@bakerhughes.com)

[valves.bakerhughes.com](https://valves.bakerhughes.com)

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