

KUNKLE ASME Section VIII, Air/Gas, "UV" National Board Certified Safety Valve

Features

- High capacity with small size.
- Factory sealed to prevent tampering or disassembly.
- Each Kunkle valve is tested and inspected for pressure setting and leakage.

Model Descriptions

Model 541: 1/4" or 1/2" Male NPT inlet. Brass body and seat with BUNA-N ball or flat seal. Exceptional seat tightness performance.

Model 542: Same as model 541 except Viton® ball or flat seal.

Model 548: Same as model 541 except Stainless Steel (SS) ball seal.

Applications

- Small to medium size, single and multi-stage, air compressors, intercoolers, aftercoolers, instrument/control air lines and systems.
- Air tanks/receivers and pressurized equipment.

Pressure and Temperature Limits Model 541:

3 to 200 psig [0.2 to 13.8 barg] -40° to 200°F [-40° to 93°C]

Model 542:

3 to 200 psig [0.2 to 13.8 barg] -10° to 300°F [-23° to 149°C]

Model 548:

3 to 400 psig [0.2 to 27.6 barg] -60° to 400°F [-34° to 204°C]





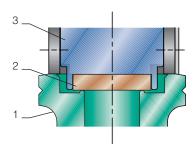
Kunkle is either a trademark or registered trademark of Tyco International Services AG or its affiliates in the United States and/or other countries. All other brand names, product names, or trademarks belong to their respective holders.

Parts and Materials

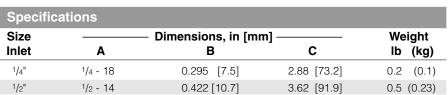
Models 541, 542 and 548					
No.	Part Name	Materials			
1	Body	Brass, B16			
2	Seat ¹	Model number changes with seat material			
3	Disc Holder	Brass, B16			
4	Spring	SS, A313-631			
5	Compression Screw	Brass, B16			
6	Lift Ring	SS, A313			

Notes

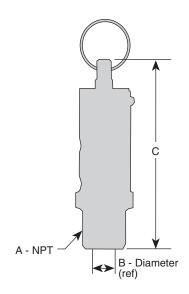
1. Seat material: Model 541 BUNA-N, Model 542 Viton® A, and Model 548 SS, A756 440C.

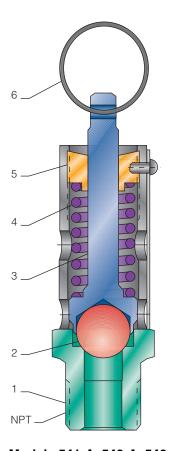


Models 541-C and 542-C Seat Configuration



Dimensions are for reference only.





Models 541-A, 542-A, 548

Kunkle Safety and Relief Products Models 541, 542 and 548

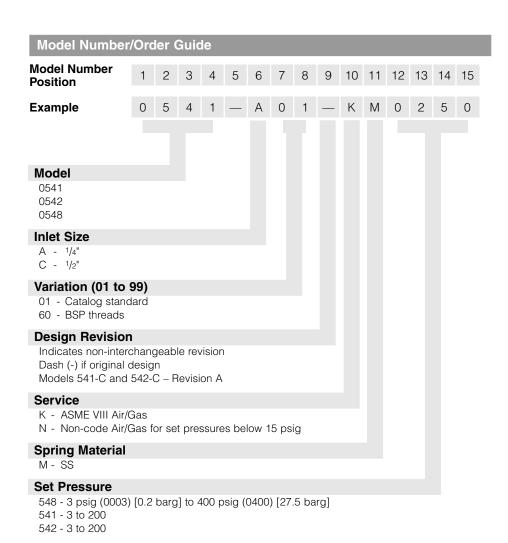
Capacities

ASME Section VIII Air, (U.S., SCFM)						
Set Pressure		Inlet				
(psig)	1/4"	1/2"				
3	12	23				
5	16	31				
10	23	47				
15	31	62				
20	37	73				
25	42	84				
50	70	139				
75	97	194				
100	125	249				
125	152	304				
150	180	359				
175	207	414				
200	235	469				
225	262	524				
250	290	579				
275	317	634				
300	345	689				
325	372	744				
350	400	799				
375	427	854				
400	455	909				

ASME Section VIII Air, [Metric, Nm³/h]						
Set Pressure [barg]	———— Inl 7 mm	let ———— 15 mm				
1.7	67	135				
3.5	114	227				
5.0	152	304				
7.0	203	407				
9.0	255	509				
13.0	357	715				
15.0	409	818				
17.0	460	920				
19.0	511	1023				
21.0	563	1126				
23.0	614	1228				
25.0	665	1331				
27.0	717	1434				
27.5	730	1459				

Kunkle Safety and Relief Products

Models 541, 542 and 548



KUNKLE

953 Old U.S. Highway 70 Black Mountain, North Carolina 28711-2549 Facility Phone: 1-828-669-3700

www.kunklevalve.com