



Low-Pressure Steam Heating Boiler Safety Relief Valves

- Max. temp.: 250°F

All have top guiding seals and positive condensate drainage for extended service life. Cast-bronze construction, except Kunkle models are cast iron. Raised EPDM discs and seats; except Kunkle valves have bronze discs and brass seats, Watts valves have PTFE discs and metal seats. All have stainless steel springs except Kunkle models are steel. MNPT x FNPT connections. 3EEY1, 3EEY6, and 3EEY7 have MNPT bottom connection and top outlet discharge.

Inlet Size	Outlet Size	Factory Set Pressure	Overall Length	Overall Height	BtuH	Brand	Item No.
ASME Section IV, Coded							
¾ in	¾ in	15 psi	2 ½ in	2 ¾ in	410,000	Apollo	3EEY1
¾ in	¾ in	15 psi	2 5/8 in	3 1/8 in	475,000	Apollo	3EEY2
1 in	1 in	15 psi	5 ½ in	2 ½ in	643,000	Apollo	3EEY3
1 ¼ in	1 ½ in	15 psi	3 ¾ in	4 ½ in	1,200,000	Apollo	3EEY4
1 ½ in	2 in	15 psi	4 in	5 ¼ in	1,900,000	Apollo	3EEY5
2 in	2 in	15 psi	3 in	7 ¼ in	—	Kunkle Valve	31LH25
2 ½ in	2 ½ in	15 psi	3 ½ in	8 ¼ in	—	Kunkle Valve	31LH26
3 in	3 in	15 psi	4 in	8 ¾ in	—	Kunkle Valve	31LH27

- | Inlet Size | Outlet Size | Factory Set Pressure | Overall Length | Overall Height | Brand | Item No. |
|-----------------|-------------|----------------------|----------------|----------------|--------|----------|
| Noncoded | | | | | | |
| ¾ in | ¾ in | 5 psi | 2 ¾ in | 2 ½ in | Apollo | 3EEY6 |
| | | 5 psi | 2 5/8 in | 3 1¼ in | Apollo | 3EEY8 |
| | | 10 psi | 2 ¾ in | 2 ½ in | Apollo | 3EEY7 |
| | | 10 psi | 2 5/8 in | 3 1¼ in | Apollo | 3EEY9 |
| | | 15 psi | 2 ½ in | 2 ¾ in | Watts | 36CJ1 |
| | | 15 psi | 2 ¾ in | 2 ¾ in | Watts | 36CJ13 |
| 1 in | 1 in | 5 psi | 5 ¾ in | 2 ½ in | Apollo | 3EEZ1 |
| | | 10 psi | 5 ¾ in | 2 ½ in | Apollo | 3EEZ2 |
| | | 15 psi | 2 ¾ in | 3 ½ in | Watts | 36CJ14 |

ASME Section VIII Air and Inert Gas Safety Relief Valves

- Pressure range: 0 to 250 psig
- Max. temp.: 406°F

Bronze valves have bronze discs, stainless steel springs, and precision lapped bronze seats. Single-ring blowdown assures quick, accurate reseating when opening/popping. MNPT x FNPT connections. For use in air compressors, pressurized production lines, and tanks. Series 88 models feature valve handle that allows field testing and simple cleanout. Series 89 models include sealed and closed hex cap.

Note: Valves are factory preset and sealed to prevent tampering. Not adjustable.

- | Inlet Size | Outlet Size | ► CHOOSE: Preset Setting (psi) | | | | | | | | | | | | | Item No. |
|------------------|-------------|--------------------------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|--------------|
| Series 88 | | | | | | | | | | | | | | | |
| 1/2 in | 3/4 in | 15 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | | | D4511 |
| 3/4 in | 1 in | 15 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | | | D4512 |
| 1 in | 1 1/4 in | 15 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | | | D4513 |
| 1 1/4 in | 2 in | | 15 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | | D4514 |
| 2 in | 2 1/2 in | 15 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | | D4515 | |
| 2 1/2 in | 3 in | 15 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | | D4516 | |

Series	2 1/4 in	2 1/2 in	2 3/4 in	3 in	3 1/2 in	4 in	4 1/2 in	5 in	5 1/2 in	6 in	6 1/2 in	7 in	7 1/2 in	8 in	8 1/2 in	9 in	9 1/2 in	10 in	10 1/2 in	11 in	11 1/2 in	12 in	12 1/2 in	13 in	13 1/2 in	14 in	14 1/2 in	15 in	15 1/2 in	16 in	16 1/2 in	17 in	17 1/2 in	18 in	18 1/2 in	19 in	19 1/2 in	20 in	20 1/2 in	21 in	21 1/2 in	22 in	22 1/2 in	23 in	23 1/2 in	24 in	24 1/2 in	25 in	25 1/2 in	26 in	26 1/2 in	27 in	27 1/2 in	28 in	28 1/2 in	29 in	29 1/2 in	30 in	30 1/2 in	31 in	31 1/2 in	32 in	32 1/2 in	33 in	33 1/2 in	34 in	34 1/2 in	35 in	35 1/2 in	36 in	36 1/2 in	37 in	37 1/2 in	38 in	38 1/2 in	39 in	39 1/2 in	40 in	40 1/2 in	41 in	41 1/2 in	42 in	42 1/2 in	43 in	43 1/2 in	44 in	44 1/2 in	45 in	45 1/2 in	46 in	46 1/2 in	47 in	47 1/2 in	48 in	48 1/2 in	49 in	49 1/2 in	50 in	50 1/2 in	51 in	51 1/2 in	52 in	52 1/2 in	53 in	53 1/2 in	54 in	54 1/2 in	55 in	55 1/2 in	56 in	56 1/2 in	57 in	57 1/2 in	58 in	58 1/2 in	59 in	59 1/2 in	60 in	60 1/2 in	61 in	61 1/2 in	62 in	62 1/2 in	63 in	63 1/2 in	64 in	64 1/2 in	65 in	65 1/2 in	66 in	66 1/2 in	67 in	67 1/2 in	68 in	68 1/2 in	69 in	69 1/2 in	70 in	70 1/2 in	71 in	71 1/2 in	72 in	72 1/2 in	73 in	73 1/2 in	74 in	74 1/2 in	75 in	75 1/2 in	76 in	76 1/2 in	77 in	77 1/2 in	78 in	78 1/2 in	79 in	79 1/2 in	80 in	80 1/2 in	81 in	81 1/2 in	82 in	82 1/2 in	83 in	83 1/2 in	84 in	84 1/2 in	85 in	85 1/2 in	86 in	86 1/2 in	87 in	87 1/2 in	88 in	88 1/2 in	89 in	89 1/2 in	90 in	90 1/2 in	91 in	91 1/2 in	92 in	92 1/2 in	93 in	93 1/2 in	94 in	94 1/2 in	95 in	95 1/2 in	96 in	96 1/2 in	97 in	97 1/2 in	98 in	98 1/2 in	99 in	99 1/2 in	100 in	100 1/2 in	101 in	101 1/2 in	102 in	102 1/2 in	103 in	103 1/2 in	104 in	104 1/2 in	105 in	105 1/2 in	106 in	106 1/2 in	107 in	107 1/2 in	108 in	108 1/2 in	109 in	109 1/2 in	110 in	110 1/2 in	111 in	111 1/2 in	112 in	112 1/2 in	113 in	113 1/2 in	114 in	114 1/2 in	115 in	115 1/2 in	116 in	116 1/2 in	117 in	117 1/2 in	118 in	118 1/2 in	119 in	119 1/2 in	120 in	120 1/2 in	121 in	121 1/2 in	122 in	122 1/2 in	123 in	123 1/2 in	124 in	124 1/2 in	125 in	125 1/2 in	126 in	126 1/2 in	127 in	127 1/2 in	128 in	128 1/2 in	129 in	129 1/2 in	130 in	130 1/2 in	131 in	131 1/2 in	132 in	132 1/2 in	133 in	133 1/2 in	134 in	134 1/2 in	135 in	135 1/2 in	136 in	136 1/2 in	137 in	137 1/2 in	138 in	138 1/2 in	139 in	139 1/2 in	140 in	140 1/2 in	141 in	141 1/2 in	142 in	142 1/2 in	143 in	143 1/2 in	144 in	144 1/2 in	145 in	145 1/2 in	146 in	146 1/2 in	147 in	147 1/2 in	148 in	148 1/2 in	149 in	149 1/2 in	150 in	150 1/2 in	151 in	151 1/2 in	152 in	152 1/2 in	153 in	153 1/2 in	154 in	154 1/2 in	155 in	155 1/2 in	156 in	156 1/2 in	157 in	157 1/2 in	158 in	158 1/2 in	159 in	159 1/2 in	160 in	160 1/2 in	161 in	161 1/2 in	162 in	162 1/2 in	163 in	163 1/2 in	164 in	164 1/2 in	165 in	165 1/2 in	166 in	166 1/2 in	167 in	167 1/2 in	168 in	168 1/2 in	169 in	169 1/2 in	170 in	170 1/2 in	171 in	171 1/2 in	172 in	172 1/2 in	173 in	173 1/2 in	174 in	174 1/2 in	175 in	175 1/2 in	176 in	176 1/2 in	177 in	177 1/2 in	178 in	178 1/2 in	179 in	179 1/2 in
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- Max. temp.: 450°F

Field-adjustable pressure is factory set to midrange for minimal effect on flow capacity rates. Adjustment requires no disassembly; simply remove hex cap. Closed bonnet, sealed hex cap, and lapped metal seating eliminate leakage. Stainless steel springs. MNPT x FNPT connections. For pressure relief, liquid relief, continuous bypass, and overprotection for pumping stations, tanks, hydraulics, fluid, and pipelines.

[illegible]