

BICERA Valves



The Bicera Rapid Pressure Relief Valve is an essential part of your engine and compressor safety system.

Crankcase explosions can be caused by overheated bearings, damaged pistons, electrical ignition or other source, igniting the oil mist present in the crankcase. Mounted on the crankcase access door, the Bicera valve vents quickly and then re-seats to prevent return of air and to protect against secondary explosions. A patented internal flame trap retards the spread of flame through the valve.

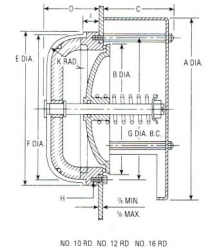
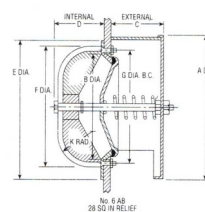
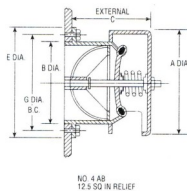
Crankcase explosions create very high pressures inside a crankcase. The Bicera valve opens as the pressure builds and reduces the peak pressure.

Bicera valves have been used successfully for more than 30 years by reciprocating engine and compressor users and manufacturers. The product of exhaustive testing, the Bicera valve has earned Factory Mutual approval and meets specifications of the A.P.I., A.B.S., U.S. Coast Guard and the international classification societies.

Penn-Troy's representatives have specific recommendations for over 1500 Diesel and Gas engines, and compressors from 25 horsepower and up.

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SIZE	DIMENSIONS							SQ. INS. VALVE LBS.	WEIGHT
	A	B	C	D	E	G	H AREA		
4A	7	5 ⁹ / ₃₂	6	—	7 ¹ / ₄	6 ¹ / ₂	(4) 1 ³ / ₃₂ holes	12.5	4.5
6AB	9 ¹ / ₂	6 ¹ / ₂	4 ¹ / ₂	3 ¹ / ₄	8 ¹ / ₂	7 ¹ / ₂	(6) 1 ³ / ₃₂	28	8.5
10RD	15 ⁹ / ₁₆	11 ¹ / ₃₂	5 ⁷ / ₁₆	4 ¹ / ₂	12 ¹ / ₂	11 ¹ / ₁₆	(6) 3/8 × 24 thd.	78	28
12RD	20 ¹ / ₂	13 ²⁹ / ₃₂	6 ⁷ / ₁₆	6 ¹ / ₄	16 ¹ / ₂	14 ⁷ / ₁₆	(6) 3/8 × 24 thd.	128	47
16RD	24	17 ¹ / ₃₂	11 ³ / ₄	7 ³ / ₄	19 ¹ / ₂	18 ¹ / ₂	(12) 3/8 × 24 thd.	201	80

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Bicera Quick Detachable Valves (QD Series) provide quick and easy access to crankcase inspection opening by combining the



valve and

inspection door into a single unit. The QD unit is easy to mount and is held in place by an inner clamp bar.

