RELIEF VENT

Pressure relief valves release excessive pressure which may accumulate during operation of a bearing housing or gearbox. Recommended installation is above fluid level. For a detailed explanation of the operation of pressure relief valves, see page 50-51. Available in stainless steel as a special order.

TECHNICAL DRAWINGS ARE APPROXIMATE ACTUAL SIZE

ONE-PIECE DESIGN

DIAGRAM 1
Relief - Top Vent
1/8"-27 PTF Spl. Short
One-Piece Design

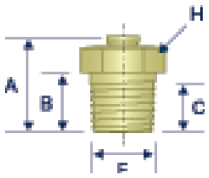


DIAGRAM 2
Relief - Top Vent
1/4"-18 PTF Spl. Short
One-Piece Design

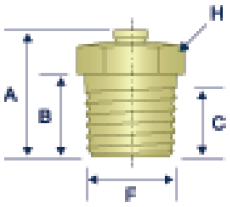


DIAGRAM 3
Relief - Top Vent
3/8"-18 PTF Spl. Short
One-Piece Design

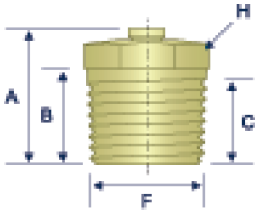
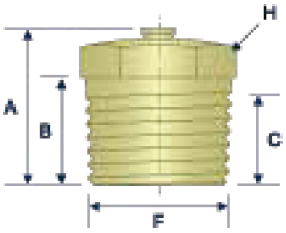
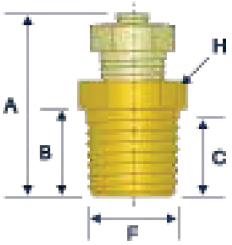


DIAGRAM 4
Relief - Top Vent
1/2"-14 PTF Spl. Short
One-Piece Design



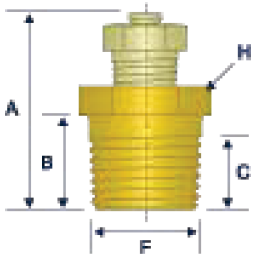
TWO-PIECE DESIGN

DIAGRAM 5
Relief - Top Vent
1/4"-18 NPTF
Two-Piece Design



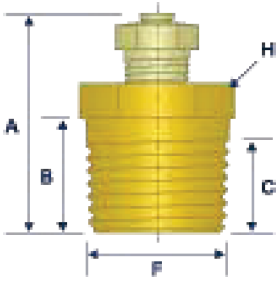
+ BRASS BUSHING

DIAGRAM 6
Relief - Top Vent
3/8"-18 NPTF
Two-Piece Design



+ BRASS BUSHING

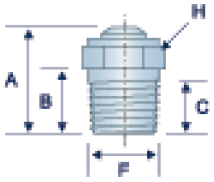
DIAGRAM 7
Relief - Top Vent
1/2"-14 NPTF
Two-Piece Design



+ BRASS BUSHING

LEAK PROOF

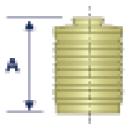
DIAGRAM 8
Relief - Top Vent Leak Proof
1/8"-27 PTF Spl. Short



LEAK-PROOF RUBBER GASKET

DRIVE TYPE

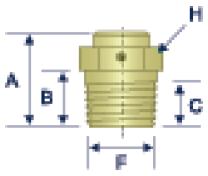
DIAGRAM 9
Relief - Top Vent Drive Type
≈ 3/8" Drill Size



FOR AUTOMATIC INSTALLATION

SIDE VENT

DIAGRAM 10
Relief - Side Vent
1/8"-27 PTF Spl. Short



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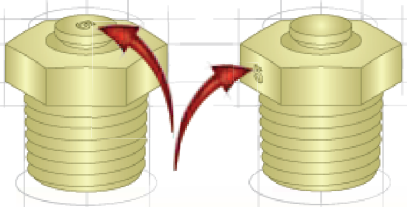
RELIEF VENT

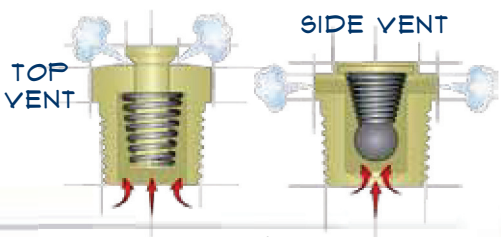
TECHNICAL DRAWINGS ARE APPROXIMATE ACTUAL SIZE

	ITEM #	DIAGRAM #	THREAD	RELIEF PRESSURE	CROSS REFERENCE		OVERALL LENGTH (A)	SHANK LENGTH (B)	MIN. THREAD LENGTH (C)	THREAD DIAMETER (F)	HEX (H)
ONE PIECE	H317400 *	DIA. 1	1/8"-27 PTF	0.25-1 PSI	317400	AE38448	.50"	.30"	.20"	.39"	7/16"
	H317402	DIA. 2	1/4"-18 PTF	0.25-1 PSI			.67"	.42"	.27"	.52"	9/16"
	H47200 *	DIA. 1	1/8"-27 PTF	1-5 PSI	47200		.50"	.30"	.20"	.39"	7/16"
	H47202 *	DIA. 2	1/4"-18 PTF	1-5 PSI			.67"	.42"	.27"	.52"	9/16"
	H47204	DIA. 3	3/8"-18 PTF	1-5 PSI			.71"	.50"	.34"	.64"	11/16"
	H47206	DIA. 4	1/2"-14 PTF	1-5 PSI			.83"	.55"	.39"	.82"	13/16"
	H321839	DIA. 9	≈ 3/8" DRILL	1-5 PSI	321839		.50"	□	□	□	□
	H47640 *	DIA. 1	1/8"-27 PTF	7.5-15 PSI	47640	R131795	.50"	.30"	.20"	.39"	7/16"
	H47642	DIA. 2	1/4"-18 PTF	7.5-15 PSI			.67"	.42"	.27"	.52"	9/16"
	H323060	DIA. 1	1/8"-27 PTF	15-25 PSI	323060		.50"	.30"	.20"	.39"	7/16"
	H323062 *	DIA. 2	1/4"-18 PTF	15-25 PSI			.67"	.42"	.27"	.52"	9/16"
	H47100	DIA. 1	1/8"-27 PTF	45-80 PSI	47100		.50"	.30"	.20"	.39"	7/16"
	H47102	DIA. 2	1/4"-18 PTF	45-80 PSI			.67"	.42"	.27"	.52"	9/16"
	H338382	DIA. 8	1/8"-27 PTF	80-140 PSI	338382		.51"	.34"	.27"	.39"	7/16"
	H369593 *	DIA. 1	1/8"-27 PTF	100-200 PSI	369593		.50"	.30"	.20"	.39"	7/16"
	H50500	DIA. 1	1/8"-27 PTF	400-650 PSI	50500		.50"	.30"	.20"	.39"	7/16"
TWO PIECE	H317422	DIA. 5	1/4"-18 NPTF	0.25-1 PSI			1.06"	.46"	.39"	.52"	9/16"
	H317404	DIA. 6	3/8"-18 NPTF	0.25-1 PSI			1.06"	.50"	.39"	.64"	11/16"
	H317406	DIA. 7	1/2"-14 NPTF	0.25-1 PSI			1.16"	.55"	.42"	.82"	13/16"
	H47222	DIA. 5	1/4"-18 NPTF	1-5 PSI			1.06"	.46"	.39"	.52"	9/16"
	H47224	DIA. 6	3/8"-18 NPTF	1-5 PSI			1.06"	.50"	.39"	.64"	11/16"
	H47226	DIA. 7	1/2"-14 NPTF	1-5 PSI			1.16"	.55"	.42"	.82"	13/16"
	H47622	DIA. 5	1/4"-18 NPTF	7.5-15 PSI			1.06"	.46"	.39"	.52"	9/16"
	H47644	DIA. 6	3/8"-18 NPTF	7.5-15 PSI			1.06"	.50"	.39"	.64"	11/16"
	H47646	DIA. 7	1/2"-14 NPTF	7.5-15 PSI			1.16"	.55"	.42"	.82"	13/16"
	H323262	DIA. 5	1/4"-18 NPTF	15-25 PSI			1.06"	.46"	.39"	.52"	9/16"
	H323064	DIA. 6	3/8"-18 NPTF	15-25 PSI			1.06"	.50"	.39"	.64"	11/16"
	H323066	DIA. 7	1/2"-14 NPTF	15-25 PSI			1.16"	.55"	.42"	.82"	13/16"
	H47122	DIA. 5	1/4"-18 NPTF	45-80 PSI			1.06"	.46"	.39"	.52"	9/16"
	H47104	DIA. 6	3/8"-18 NPTF	45-80 PSI			1.06"	.50"	.39"	.64"	11/16"
	H47106	DIA. 7	1/2"-14 NPTF	45-80 PSI			1.16"	.55"	.42"	.82"	13/16"
SIDE VENT	H5677 *	DIA. 10	1/8"-27 PTF	1-5 PSI	5677	E14814	.50"	.28"	.17"	.39"	7/16"
	H5678 *	DIA. 10	1/8"-27 PTF	7.5-15 PSI	5678		.50"	.28"	.17"	.39"	7/16"
	H5679	DIA. 10	1/8"-27 PTF	15-25 PSI	5679		.50"	.28"	.17"	.39"	7/16"
	H5680	DIA. 10	1/8"-27 PTF	45-80 PSI	5680		.50"	.28"	.17"	.39"	7/16"

THE UPPER PRESSURE RANGE LIMIT IS MARKED ON THE TOP OR SIDE OF THE FITTING.



SIDE VENT FITTINGS RELEASE PRESSURE THROUGH TWO SIDE PORTS, WHEREAS TOP VENT FITTINGS RELEASE PRESSURE THROUGH A LARGE TOP PORT.



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REVISED 06-11