

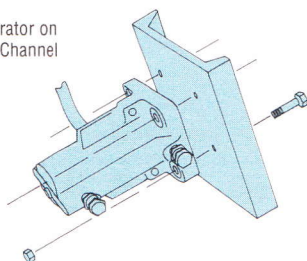
MODEL AP AIR PISTON VIBRATOR

DIRECT IMPACT
OR QUIET
AIR CUSHIONED

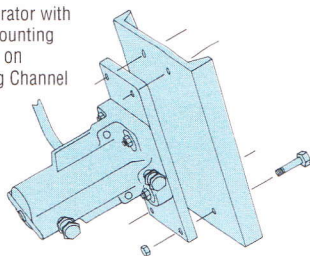
QUICK FACTS

- Heavy Duty Ductile Casting
- Precision Ground Chrome Plated Piston
- Exhaust Mufflers / Port Protectors
- Optional Steel Base Plate for Rectangular Bolt Patterns
- Optional Permanent Lubrication

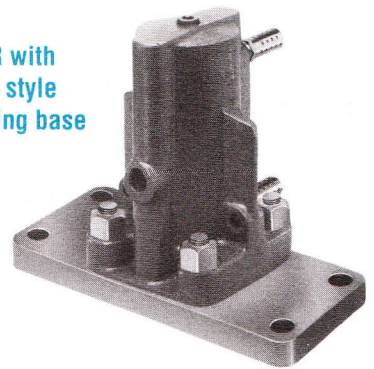
Standard AP Vibrator on
AP-M Mounting Channel



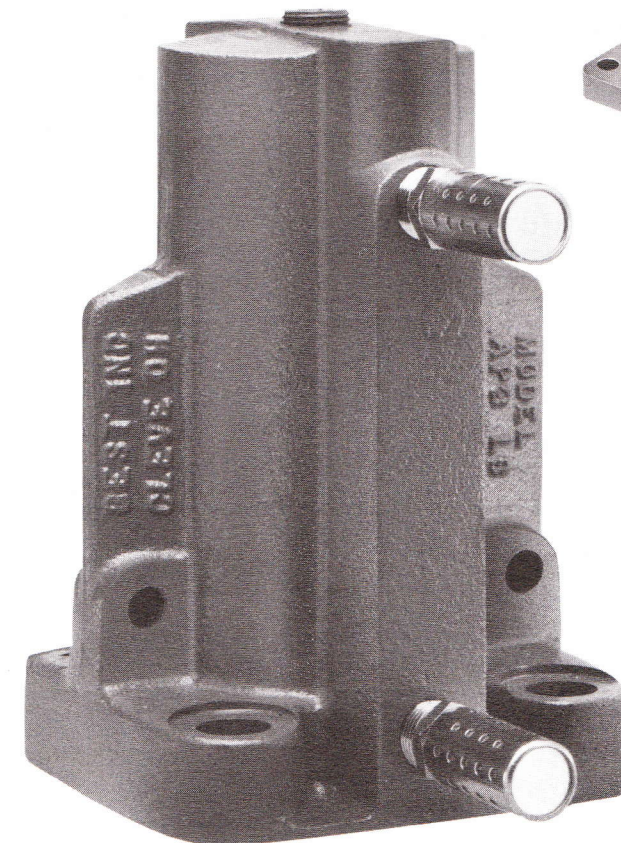
Optional APR Vibrator with
Rectangular Mounting
Base Plate on
APR-M Mounting Channel



APR with
"R" style
mounting base



Model AP



Eliminate Bridging, Arching and Plugging in Bins, Hoppers and Chutes

SIMPLIFIED DESIGN. Model AP air piston vibrators are manufactured from single piece, ductile iron castings. No long thru bolts are used in assembly that may cause premature failure. Pistons are hard chrome plated for long life.

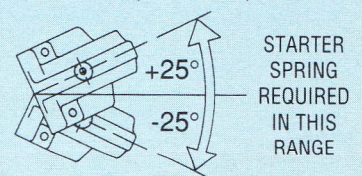
TWO STYLES AVAILABLE. Impact and quiet air cushioned units are available. Direct impact units provide high energy output for the most difficult and sluggish bulk materials. Non-impacting, air cushioned units meet all OSHA requirements, offering extremely quiet operation.

OPTIONAL FEATURES. Permanently lubricated bore. Safety cables, mounting fasteners and weldable mounting channels are also available.

INTERCHANGEABILITY with other competitive brands can be achieved with the addition of an "R" style rectangular base plate.

WARRANTY. The quality, workmanship and performance of B.E.S.T. type "AP" vibrators are warranted for one year, if installed and operated according to factory instructions.

STARTER SPRING required for installations mounted ± 25 degrees from horizontal (see below).

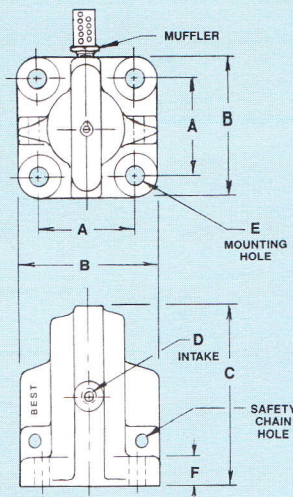


B.E.S.T.

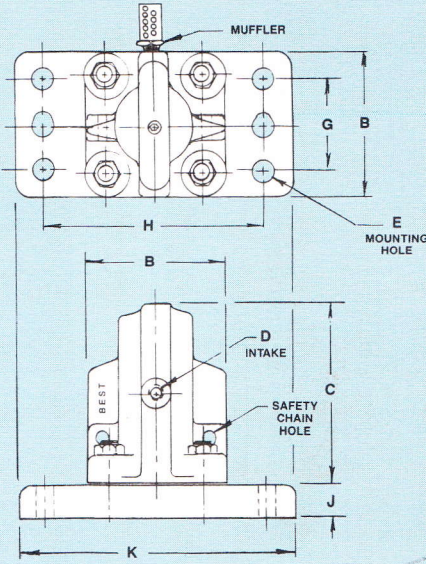
BULK EQUIPMENT SYSTEMS TECHNOLOGY, INC.
1071 Industrial Parkway North • Brunswick, Ohio 44212
(216) 273-1277 • 1-800-827-9237 • FAX (216) 225-8740

DIMENSIONAL DATA

STANDARD AP VIBRATOR



AP VIBRATOR WITH "R" STYLE BASE PLATE (Specify APR)



VIBRATOR MODEL AP IMPACT OR AP-Q QUIET AIR CUSH.	All Dimensions in Inches										WEIGHT IN LBS.	
	A	B	C	D	E	F	G	H	J	K	AP & AP-Q	WITH "R" STYLE BASE
1 1/4"-AP & AP-Q	2	3	4 1/8	1/4 NPT	9/16 dia.	9/16	*	4 1/2	9/16	5 7/8	6	8
2"-AP & AP-Q	3	4 3/8	6 1/8	1/4 NPT	1 1/16 dia.	1 3/16	*	7 1/2	1 1/4	9 1/8	12	21
3"-AP & AP-Q	4 1/8	5 3/4	8 5/8	1/2 NPT	1 3/16 dia.	1 3/8	3 1/4	7 3/4	1 3/8	11 5/8	33	55
4"-AP & AP-Q	6 1/4	8 1/2	11 3/8	3/4 NPT	1 5/16 dia.	1 1/4	4	12	1 3/4	14 3/4	98	152

Specify "APR" for vibrator with "R" style base. Note: dimensions are the same for both AP "impact" style and AP-Q "quiet" type air cushioned units.

SIZING DATA FOR BINS AND HOPPERS

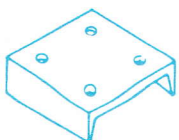
MODEL	FOR USE ON THE FOLLOWING BINS		20 PSI		40 PSI		60 PSI		80 PSI		FORCE OUTPUT @ 80 PSI
	WALL THICKNESS	VOLUME (CU. FT.)	FREQ. (VPM)	AIR CNSMP. (CFM)	FREQ. (VPM)	AIR CNSMP. (CFM)	FREQ. (VPM)	AIR CNSMP. (CFM)	FREQ. (VPM)	AIR CNSMP. (CFM)	
1 1/4" AP Impact	1/8"	10-20	4,000	1.0	6,000	3.0	7,600	5.0	8,600	7.0	586 lbs.
2" AP Impact	3/16"-1/4"	50-100	1,600	2.7	2,670	7.2	3,260	11.6	3,800	15.8	625 lbs.
3" AP Impact	1/4"-5/16"	500-1,000	1,200	6.0	1,900	12.0	2,300	23.0	2,700	33.0	1,863 lbs.
4" AP Impact	3/8"-1/2"	1,000-2,000	1,150	14.0	1,750	23.0	2,150	34.0	2,500	42.0	4,750 lbs.
1 1/4" AP-Q Air Cush.	1/16"	3-6	2,180	1.2	2,730	2.5	3,180	4.5	3,650	6.5	147 lbs.
2" AP-Q Air Cush.	1/8"	10-20	1,700	3.0	1,950	6.5	2,400	10.0	2,750	13.0	327 lbs.
3" AP-Q Air Cush.	3/16"-1/4"	50-100	1,340	4.0	1,520	9.0	1,700	13.0	1,880	20.0	964 lbs.
4" AP-Q Air Cush.	1/4"-5/16"	500-1,000	1,200	7.0	1,350	17.0	1,550	27.0	1,650	42.0	2,165 lbs.

NOTE: AP Impact Vibrators painted color code red. AP-Q Air Cushioned Vibrators painted color code blue.

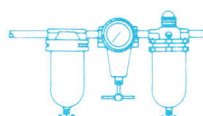
MOUNTING AND CONTROL ACCESSORIES

Standard Factory Kit Includes

**MODEL
AP-M**
(standard)
MOUNTING
CHANNEL



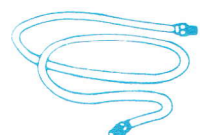
**MODEL
FRL**
LUBRO-
CONTROL



**MODEL
HV**
HAND
VALVE



**MODEL
HL-5 FT.**
5' HOSE
LENGTH



Other Options

Dust Protectors • Exhaust Mufflers • Electric Solenoid Valves • Permanently Lubricated Vibrators
Reinforcement Angles for Mounting Channel • Safety Cable Assemblies • Timers