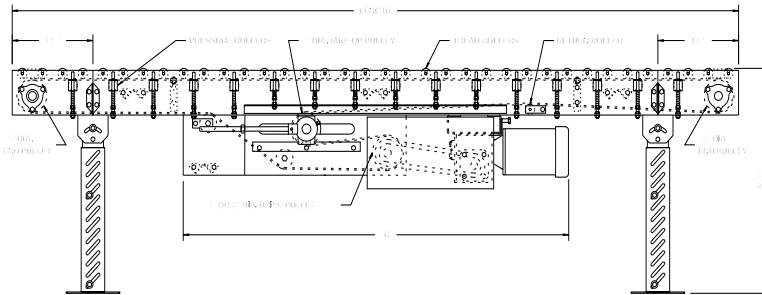
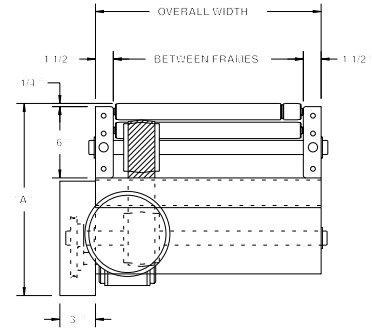


# MODEL 138VP LIGHT DUTY VARIABLE PRESSURE LIVE ROLLER ACCUMULATOR



Conveyor shown with optional supports

138VP accumulates goods safely and with minimum back pressure. Reversible, it can transport loads up to 100 lbs./ft. with as little as 2-1/2% back pressure. Ideally, packages of uniform weight can be accumulated temporarily using pneumatic package stops.



HP@ 60 FPM	"A" MAX		"B" MAX	
	4" DRV.	8" DRV.	4" DRV.	8" DRV.
1/3	15-5/8"	16-5/8"	58-5/32"	58-5/32"
1/2	15-5/8"	16-5/8"	58-5/32"	58-5/32"
3/4	16"	16-5/8"	58-25/32"	58-25/32"
1	16-1/4"	16-5/8"	59-17/32"	59-17/32"
1-1/2	17-1/8"	17-1/8"	61-21/32"	61-21/32"
2	18"	18"	62-21/32"	62-21/32"

## SPECIFICATIONS

**TREAD ROLLERS:** 1-3/8" dia. x 18 ga. galvanized steel, model 138G with 5/16" hex.

**PRESSURE ROLLERS:** 1-3/8" dia. x 18 ga. galvanized steel, model 138G with 5/16" hex.

**RETURN ROLLERS:** 1-3/8" dia. x 18 ga. galvanized steel, model 138G w/ 5/16" hex, adjustable.

**BELTING:** 2-1/4" wide "high strength" PVC-150 belt.

**CENTER DRIVE:** Reversible drive with 24" integral belt take-up.

**DRIVE PULLEY:** 4" dia. with 1-3/16" dia. shaft or 8" dia. with 1-7/16" dia. shaft, both crowned and fully lagged.

**SPEED:** 60 FPM, constant.

**END PULLEY:** 4" dia., crowned, with 1-3/16" dia. shaft.

**BEARINGS:** All pulley bearings are precision, heavy duty, lubricated, ball bearing units with cast iron housings.

**BED:** 6" x 1-1/2" x 12 ga. channel frame slotted for tread rollers to pop-out. When unit is installed at 7'-0" elevation or higher, rollers must be retained in conveyor frame. Specify desired elevation. Bed sections attached with couplings and floor supports.

**SQUARING RODS:** Adjustable rods on underside of bed allow frame to be squared for improved belt tracking and are standard on all units over 30'.

**MOTOR DRIVE:** 1/3 HP, 230/460/3, 60 cycle, ODP right angle gear motor.

**ROLLER CHAIN:** Drive pulley is driven by No. 50 roller chain for 1-1/2 HP or less and No. 60 chain on larger drives. Chain take-up provided on motor base.

**ELECTRICAL CONTROLS:** Optional.



### ⚠ WARNING

Pop-out rollers should be retained in frame if unit is elevated to 7'-0" and above.



\*When using 2-1/4" wide drive belt, 4" dia. drive pulley supplied up to 20'-0" long; 8" dia. pulley supplied over 20'-0" unit lengths.  
 \*When using OPTIONAL 6" wide drive belt, 4" dia. drive pulley supplied up to 50'-0" long; 8" dia. pulley supplied over 50'-0" unit lengths.  
 \*When slave driving other units, OPTIONAL 6" wide drive belt must be used on units 20'-0" and above.

**SPECIFICATION TABLE**

20'-0" lengths and under are equipped with 4" dia. drive pulley; over 20'-0" includes 8" dia. drive pulley

■ 3 week shipment

CONVEYOR LENGTH			10'	20'	30'	40'	50'	60'	70'	80'	90'	100'	Deduct
BF	OAW	BELT	UNIT WEIGHTS (lbs.) with 1-1/2" Roller Centers (For other centers, deduct weights below)										Per Foot
10"	13"	2-1/4"	361	571	781	992	1202	1412	1622	1833	2043	2253	21
16"	19"	2-1/4"	438	711	984	1258	1531	1804	2077	2350	2623	2897	27
22"	25"	2-1/4"	515	851	1187	1523	1859	2196	2532	2868	3204	3540	34

Deduct the following weights (lbs.) for other than 1-1/2" centers

CONVEYOR LENGTH		6'	10'	15'	20'	25'	30'	40'	50'	60'	70'	80'	90'	100'
BF	Roller Centers													
10"	3"	-36	-60	-90	-120	-150	-180	-240	-300	-360	-420	-480	-540	-600
16"	3"	-54	-90	-135	-180	-225	-270	-360	-450	-540	-630	-720	-810	-900
22"	3"	-72	-120	-180	-240	-300	-360	-480	-600	-720	-840	-960	-1080	-1200
10"	4-1/2"	-48	-80	-120	-160	-200	-240	-320	-400	-480	-560	-640	-720	-800
16"	4-1/2"	-72	-120	-180	-240	-300	-360	-480	-600	-720	-840	-960	-1080	-1200
22"	4-1/2"	-96	-160	-240	-320	-400	-480	-640	-800	-960	-1120	-1280	-1440	-1600

**OPTIONAL EQUIPMENT**

**BELTING:** 6" wide PVC-120; 6" wide PVC-150.

**END DRIVE:** Mounted underneath conveyor. Minimum possible height is 20" TOR for underneath mounted end drive. Belt take-up required for end drive (if substituting end drive for center drive).

**SIDE MOUNTED END DRIVE:** Provides overall conveyor height of 9".

**AUXILIARY TAKE-UP:** Provides 24" of belt take-up. Specify location. See Power Accessories.

**FLOOR SUPPORTS:** Supports, knee braces, casters and polyfyer supports available. See Conveyor Accessories.

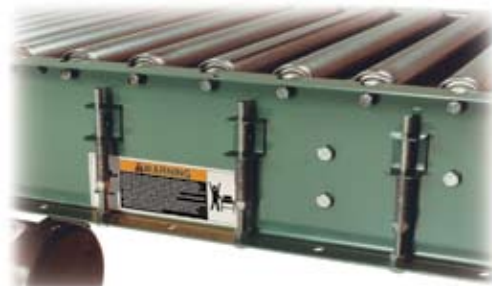
**CEILING HANGERS:** 5/8" dia. threaded rod with hardware to attach rods to conveyor. Provides 6' clearance between ceiling and TOR (furnished in place of floor supports). See Conveyor Accessories.

**SPEED:** Constant speed 3-120 FPM; DC variable speed; AC inverter variable speed. Other constant or variable speeds available. **NOTE: CAPACITY CHANGES WITH SPEED.**

**GUARD RAILS:** 1-3/4" x 1" formed channel (model GC), adjusts horizontally to 8" wider than roller and vertically to 6" above roller; formed steel fixed (model FSG in 2", 4" and 6" heights; fixed channel (model FC); 1-1/2" angle (model GA1-1/2). See Conveyor Accessories.

**MOTORS:** Available through 3 HP in TEFC, explosion proof, dirty duty, brake motor, 115/230/1, 575/3, etc.

**ELECTRICAL CONTROLS:** Magnetic starter (one direction or reversible); One direction manual starter; Momentary start/stop push button station; Forward/reversing /stop push button station. Mounting and pre-wiring for units up to 12' long.



VARIABLE PRESSURE ADJUSTMENT

