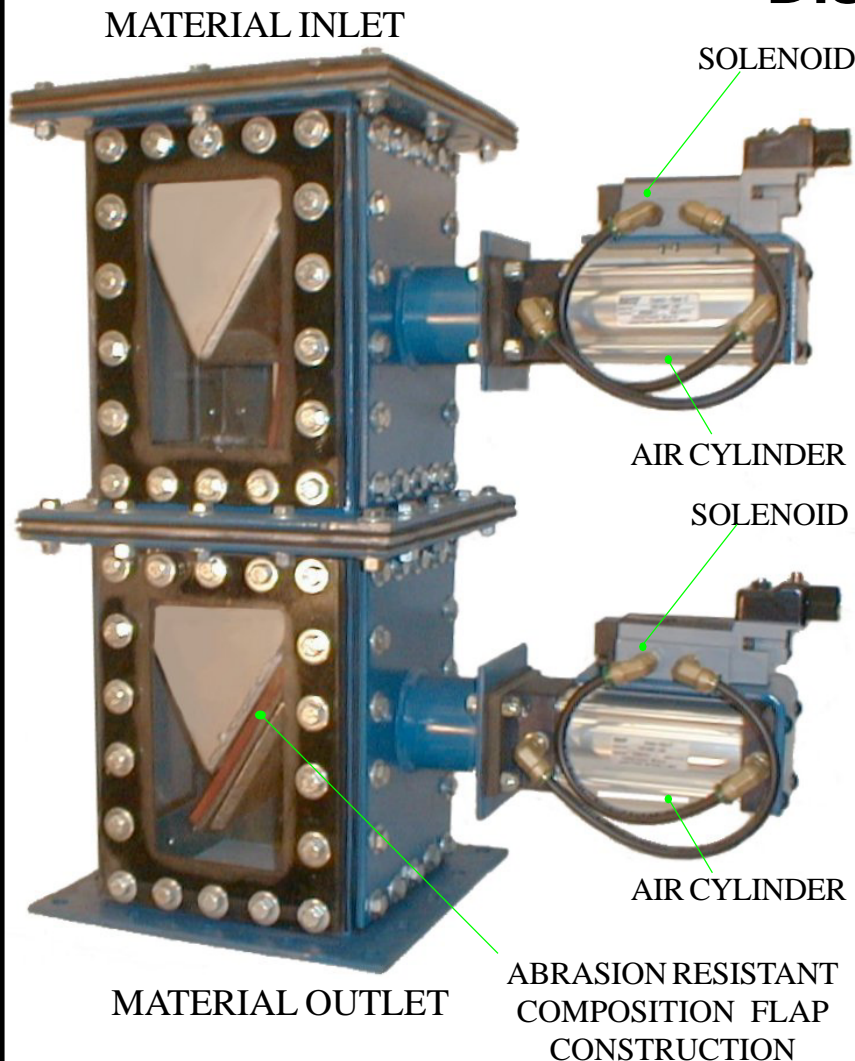




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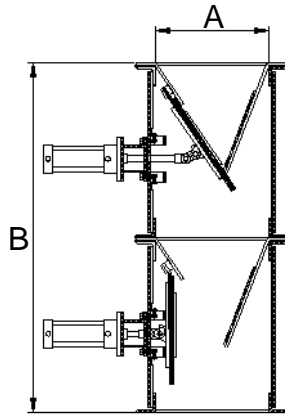
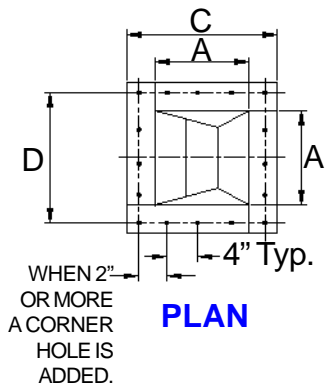
# *PowerFlap* Double Dump Discharge Valve



The ideal discharge valve for vacuum or pressure discharge applications. Utilizing controlled sequenced power flap timing, this valve provides airtight seals by virtue of the simple PUSH Closure Technology developed by Tech-Air. NO need to depend upon sliding blades or rotating devices that require precise machined clearances.

**RUGGED SIMPLICITY - BUILT FOR ABRASION**

# TECH-AIR POWER FLAP DIMENSIONS



**ELEVATION**

STANDARD POWER FLAP CONSTRUCTION IS 1/4" PL CARBON STEEL

Valve Size	A	B	C	D
#8	8"	24 7/8"	12"	10 3/8"
#10	10"	30 7/8"	14"	12 3/8"
#12	12"	36 7/8"	16"	14 3/8"
#14	14"	42 7/8"	18"	16 3/8"
#16	16"	48 7/8"	20"	18 3/8"

**DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE**

Dimension B is a minimum height and will increase based on insert height.

Check with factory to confirm B dimension.

## POWER FLAP CONTROL PANEL

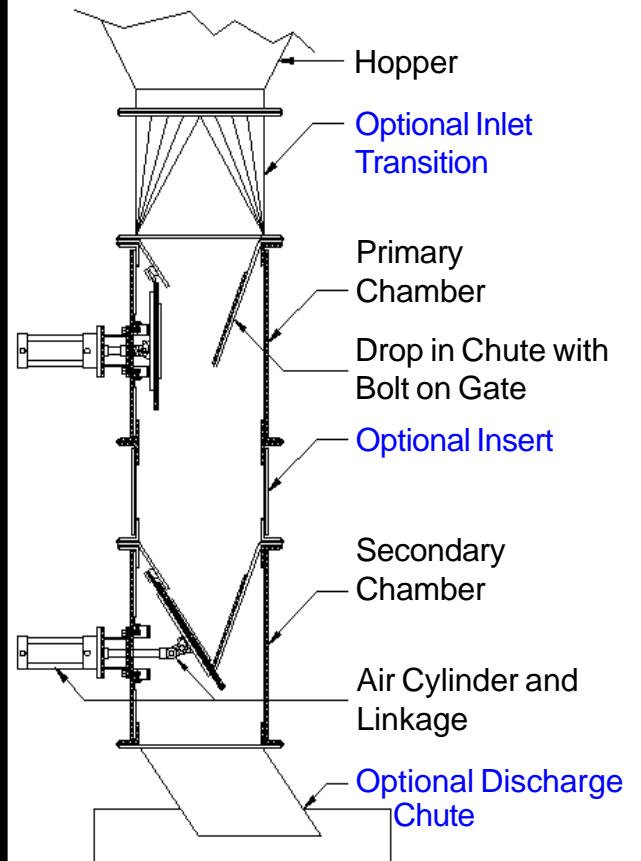
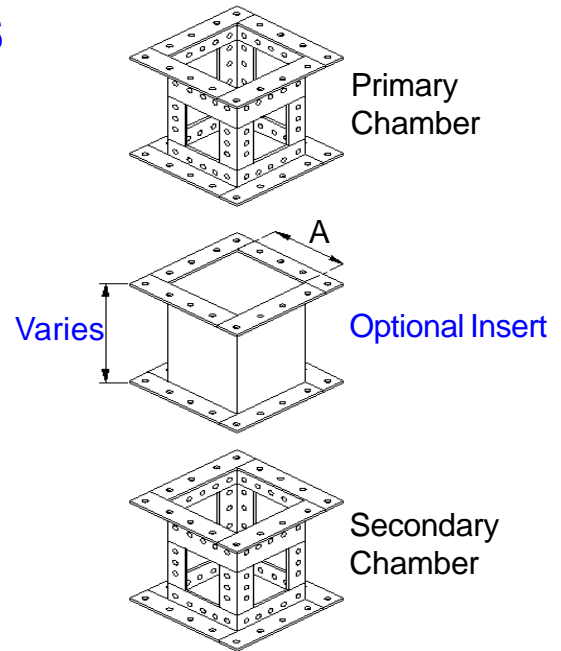
INCLUDES 3 CUBE TIMERS TO CONTROL THE OPERATION AND TIMING OF THE GATES.  
COMES IN A NEMA 4 CLEAR COVERED ENCLOSURE FOR EASY VIEWING OF TIMER STATUS

## POWER FLAP DISCHARGE VALVE SIZING CHART (rate in pounds per minute)

Valve Size	No Insert	4" Insert	6" Insert	8" Insert	10" Insert	12" Insert
#8	144	202	232	255	273	288
#10	270	374	418	458	494	525
#12	448	604	674	740	800	856
#14	681	900	1,000	1,095	1,184	1,267
#16	970	1,160	1,396	1,526	1,650	1,770

Above figures are based on a relatively free flowing material having a bulk density of 50 lbs./cubic foot. Since this is a volumetric function, the rate will vary in direct proportion to the bulk density of a given material relative to the base of 50 lbs./cubic foot. For example, with all other factors being equal, a material with a bulk density of 100 lbs./cubic foot should have double the rates shown on this chart. Conversely, a material with a bulk density of 25 lbs./cubic foot would have half the rates listed.

All of the rates shown are estimated and may vary in actual operation. This chart is intended solely as a guide to help in sizing *Power Flap* vacuum discharge valves.



## CHUTE LINERS

- CARBON STEEL
- CHROME
- CERAMIC

## GATE MATERIALS

- KRYPTANE
- HIGH TEMPERATURE BELTING