

YV Diverter Valve

- Directs material from one source into two destinations (or reverse)
- Cylindrical cast housing provides a smooth material flow
- Diverting blades and shafts are 304 stainless steel
- Designed for use in vacuum or pressure systems



Application

The Coperion YV Diverter is designed for use in vacuum or pressure systems. All YV Diverters feature a replaceable, resilient urethane sleeve to provide a tight seal for the diverting blade. When wear occurs the sleeve can be quickly and easily replaced.

YV Diverters direct material from one source into two destinations (or reverse); each leg is 22.5° off vertical centerline. Its cylindrical cast house provides a smooth, low resistance path, which prevents accumulation and degradation of the product.

Features

- Stainless steel flapper and shaft

- Polyurethane sleeve
- Teflon shaft bushing
- Standard plain end connections in pipe or tubing sizes, flanged available by special order

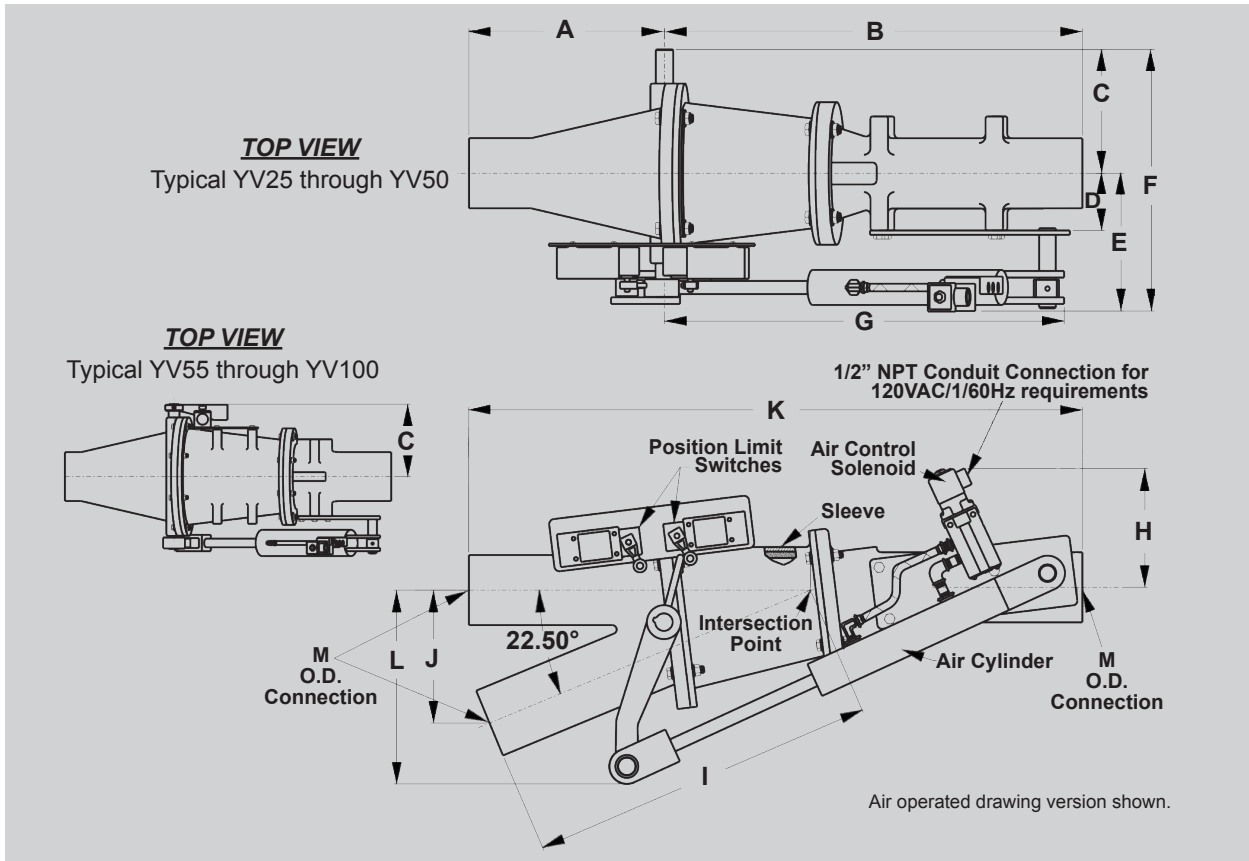
Options

- White polyurethane or white nitrile sleeve
- Limit switch proofing in NEMA 4 or NEMA 7/9
- Automatic or manual operators
 - Automatic operator is a pneumatic cylinder actuator
 - Manual operator is available on diverters up to 4-1/2"
- Filter/lubricator assembly
- Oversized air cylinder

Construction (material designation)

	Cast Iron	Aluminum	Stainless Steel
Housing	3 parts Line adapter Cone section "Y" transition section	3 parts Line adapter Cone section "Y" transition section	3 parts Line adapter Cone section "Y" transition section
Material	Adapter section – gray iron Class 30 Cone section – aluminum cast alloy 356-T6 "Y" transition section – gray iron Class 30	Adapter section – aluminum cast alloy 356-T6 Cone section – aluminum cast alloy 356-T6 "Y" transition section – 356-T6 aluminum alloy	Adapter section – CF-8 cast stainless steel (Type 304) Cone section – aluminum cast alloy 356-T6 "Y" transition section – CF-8 cast stainless steel (Type 304)
Diverting Blades and Shafts	304 stainless steel	304 stainless steel	304 stainless steel
Sizes Available (plain end)	From 2-1/2" pipe size to 10" pipe size (also tubing sizes)	From 2-1/2" pipe size to 10" pipe size (also tubing sizes)	From 2-1/2" pipe size to 10" pipe size (also tubing sizes)
Cone Section Sleeve	White polyurethane White nitrile	White polyurethane White nitrile	White polyurethane White nitrile
Divert Angle	22.5°	22.5°	22.5°

Dimensions



Model	Dimensions (inches)													Weight (lbs.)		
	A	B	C	D	E	F	G	H	I	J	K	L	M	GI	SS	AL
YV25	13.69	20.31	5.81	2.75	6.63	12.44	24.50	8.56	19.1	7.34	34.00	--	2.38	62	62	39
YV30	8.69	15.31	5.81	2.75	6.63	12.44	24.81	8.56	14.19	5.44	24.00	--	3.00	56	56	37
YV35	10.94	23.88	7.06	3.25	7.88	14.94	22.81	6.44	21.06	8.06	34.81	11.50	3.50	93	93	61
YV40	11.19	23.88	7.06	3.25	7.88	14.94	22.81	6.81	19.81	7.56	35.06	11.31	4.00	93	93	61
YV45	10.63	23.94	7.06	3.25	7.94	15.00	22.81	7.13	19.75	7.56	34.56	11.00	4.50	93	93	61
YV50	11.25	24.38	7.06	3.25	7.94	15.00	22.81	7.44	19.25	7.38	35.63	10.88	5.00	93	93	61
YV55	12.44	24.81	8.25	4.50	9.06	17.31	23.56	5.94	25.31	9.69	37.25	13.44	5.56	159	159	104
YV60	12.44	23.38	8.25	4.50	9.13	17.38	23.44	6.75	26.81	10.25	35.81	--	6.63	161	161	106
YV80	12.56	26.38	9.69	6.06	10.31	20.00	21.50	--	32.31	12.38	38.94	18.06	8.63	217	217	142
YV100	14.44	29.25	11.13	7.25	12.31	23.44	20.94	--	41.00	15.69	43.69	--	10.75	217	217	181

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