



Ruskin[®] Quick Product Selection Tables: Industrial Process Control Dampers

The Quick Product Selection Reference Guide assists in selecting the appropriate *Ruskin[®]* Product for your application.

Backdraft/Pressure Relief Dampers

Air Intake Damper

Multi-Blade Control Dampers

Round Control Dampers

Bubbletight Dampers



















Blast Suppression Dampers

Tunnel Ventilation Dampers






DISCLAIMER

The *Ruskin[®]* brand's (hereinafter "Ruskin") content, functionality and product information provided in this data file, including Ruskin design and dimensions (collectively referred to herein as "Ruskin's Information") are offered solely to you as a convenience and are for your information only. Ruskin's Information is not a replacement for a professional engineering evaluation of the situation.
















Industrial Process Control > Backdraft/Pressure Relief Dampers

Model	Material of Construction		Frame Depth (See Product Data Sheet for Details)	Frame Style	Blade Type	Linkage	Max System Conditions (See Product Data Sheet for Details)			Leakage Rate (with Seals; cfm/sq.ft) <small>NOTE: based on 36" wide multi-blade control dampers or 36" diameter round dampers</small>			Max Single-Section Size (in.) <small>NOTE: unlimited multi-section sizes available.</small>	Submittal	CSI 3-Part Spec	CAD Install Drawing	3D Revit® Files
	Standard	Optional					Pressure (in-wg)	Velocity (fpm)	Temperature °F (°C)	1" wg	4" wg	10" wg					
NRBD100	Coated HRS	304SS, 316SS, Alum	4.25"	Channel	Round		10	4000	250 (121)	-	-	-	96"		-	-	-
CBS7	Galvanized Steel	304SS, 316SS, Alum	8"	Channel, Flanged	Double-V	Internal	10	3000	250 (121)	15	30	-	48"x96"			 	
CBS8	Galvanized Steel	304SS, 316SS, Alum	8"	Channel, Flanged	Airfoil	Internal	15	4000	250 (121)	13.5	27	43.2	60"x96"			 	
CBS92	Alum	304SS or 316SS Frame	9"	Channel, Flanged	Airfoil	Internal	14	4000	250 (121)	13.5	27	43.2	60"x96"			 	
CBDR82	Coated HRS	304SS, 316SS, Alum	Varies by Size	Channel, Flanged	Round		10	6000	250 (121)	4.0	8.0	-	60"		-	-	-
CBDR92	Coated HRS	304SS, 316SS, Alum	Varies by Size	Channel, Flanged	Round		17	6000	250 (121)	4.0	8.0	12.8	44"		-	-	-



















































Industrial Process Control > Air Intake Damper

Model	Material of Construction		Frame Depth (See Product Data Sheet for Details)	Frame Style	Blade Type	Max System Conditions (See Product Data Sheet for Details)			Leakage Rate (with Seals; cfm/sq.ft) <small>NOTE: based on 36" wide multi-blade control dampers or 36" diameter round dampers</small>			Max Single-Section Size (in.) <small>NOTE: unlimited multi-section sizes available.</small>	Submittal	CSI 3-Part Spec	CAD Install Drawing	3D Revit® Files
	Standard	Optional				Pressure (in-wg)	Velocity (fpm)	Temperature °F (°C)	1" wg	4" wg	10" wg					
PDR92	Coated HRS	304SS, 316SS, Alum	Varies by Size	Channel, Flanged	Round	20	6000	250 (121)	4.0	8.0	12.8	52"			 	





































Industrial Process Control > Multi-Blade Control Dampers

Model	Material of Construction		Frame Depth (See Product Data Sheet for Details)	Frame Style	Blade Type	Linkage	Max System Conditions (See Product Data Sheet for Details)			Leakage Rate (with Seals; cfm/sq.ft) <small>NOTE: based on 36" wide multi-blade control dampers or 36" diameter round dampers</small>			Max Single-Section Size (in.) <small>NOTE: unlimited multi-section sizes available.</small>	Submittal	CSI 3-Part Spec	CAD Install Drawing	3D Revit® Files
	Standard	Optional					Pressure (in-wg)	Velocity (fpm)	Temperature °F (°C)	1" wg	4" wg	10" wg					
CD30VG1	Galvanized Steel	304SS, 316SS, Alum	3"	Channel	Triple-V	Internal	8	3000	250 (121)	4.3	8.6	13.6	48"x96"			 	
CD30VG2	Galvanized Steel	304SS, 316SS, Alum	3"	Channel	Triple-V	Internal	20	3500	250 (121)	4.3	8.6	13.6	48"x96"			 	
CD30AF1	Galvanized Steel	304SS, 316SS, Alum	3"	Channel	Airfoil	Internal	24	4000	250 (121)	4.0	8.0	12.6	48"x96"			 	











ALL STATED SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION GB_REV5-JUL_2018

CD30AF2	Galvanized Steel	304SS, 316SS, Alum	3"	Channel	Airfoil	Internal	32	6000	250 (121)	4.0	8.0	12.6	60"x96"					
CD80VG1	Galvanized Steel	304SS, 316SS, Alum	8"	Channel, Flanged	Triple-V	External	8	3000	250 (121)	4.3	8.6	13.6	48"x96"					
CD80VG2	Galvanized Steel	304SS, 316SS, Alum	8"	Channel, Flanged	Triple-V	External	20	3000	250 (121)	4.3	8.6	13.6	48"x96"					
CD80AF1	Galvanized Steel	304SS, 316SS, Alum	8"	Channel, Flanged	Airfoil	External	24	6000	250 (121)	4.0	8.0	12.6	48"x96"					
CD80AF2	Galvanized Steel	304SS, 316SS, Alum	8"	Channel, Flanged	Airfoil	External	32	6000	250 (121)	4.0	8.0	12.6	60"x96"					
CD80AF3	Galvanized Steel	304SS, 316SS, Alum	8"	Channel, Flanged	Airfoil	External	34	6000	250 (121)	4.0	8.0	12.6	60"x96"					
CD80AF4	Galvanized Steel	304SS, 316SS, Alum	8"	Channel, Flanged	Airfoil	External	44	6000	250 (121)	4.0	8.0	12.6	60"x96"					
CD82HT	Coated HRS	304SS, 316SS	8"	Channel, Flanged	Formed	External	21	4000	750 (399)	4.3	8.6	13.6	60"x96"					
CD102	Aluminum Blades; Galvanized Steel Frame	304SS or 316SS Frame	8"	Channel, Flanged	Airfoil	External	24	5000	300 (149)	8.0	16.0	25.3	60"x96"					
OD102	Aluminum Blades; Galvanized Steel Frame	304SS or 316SS Frame	8"	Channel, Flanged	Airfoil	External	24	5000	300 (149)	8.0	16.0	25.3	60"x96"					



Industrial Process Control > Round Control Dampers

Model	Material of Construction		Frame Depth (See Product Data Sheet for Details)	Frame Style	Blade Type	Linkage	Max System Conditions (See Product Data Sheet for Details)			Leakage Rate (with Seals; cfm/sq.ft) <small>NOTE: based on 36" wide multi-blade control dampers or 36" diameter round dampers</small>			Max Single-Section Size (in.) <small>NOTE: unlimited multi-section sizes available.</small>	Submittal	CSI 3-Part Spec	CAD Install Drawing	3D Revit® Files
	Standard	Optional					Pressure (in-wg)	Velocity (fpm)	Temperature °F (°C)	1" wg	4" wg	10" wg					
CDRS82	Galvanized Steel	304SS	8"	Channel, Flanged	Round		4	4000	250 (121)	1.2	2.4	-	48"			 	
CDR82	Coated HRS	304SS, 316SS, Alum	8"	Channel, Flanged	Round		10	6000	250 (121)	4.0	7.9	-	60"			 	
CDR92	Coated HRS	304SS, 316SS, Alum	9"	Channel, Flanged	Round		17	6000	250 (121)	4.0	7.9	12.5	72"			 	
CDR93	Coated HRS	304SS, 316SS, Alum	Varies by Size	Channel, Flanged	Round		25	7000	250 (121)	4.0	7.9	12.5	72"			-	-
CDR94	Coated HRS	304SS, 316SS, Alum	Varies by Size	Channel, Flanged	Round		40	7000	250 (121)	4.0	7.9	12.5	72"			-	-
CDRI92	Coated HRS	304SS, 316SS, Alum	Varies by Size	Channel, Flanged	Round		20	7000	250 (121)	0.5	0.9	1.5	72"			 	
CDRI95	Coated HRS	304SS, 316SS	Varies by Size	Channel, Flanged	Round		20	5000	500 (260)	1.9	3.8	6.1	60"			 	
IVD	Coated HRS	304SS, 316SS	Varies by Size	Channel, Flanged	Formed	External	8	14000	200 (93)				65"			 	
RVD	Coated HRS		4"	Angle, Single Flange	Formed		4	2200	200 (93)				60"			-	-





Industrial Process Control > Bubbletight Isolation Dampers

Model	Material of Construction		Frame Depth (See Product Data Sheet for Details)	Frame Style	Blade Type	Max System Conditions (See Product Data Sheet for Details)			Leakage Rate (with Seals; cfm/sq.ft) <small>NOTE: based on 36" wide multi-blade control dampers or 36" diameter round dampers</small>			Max Single-Section Size (in.) <small>NOTE: unlimited multi-section sizes available.</small>	Submittal	CSI 3-Part Spec	CAD Install Drawing	3D Revit® Files
	Standard	Optional				Pressure (in-wg)	Velocity (fpm)	Temperature °F (°C)	1" wg	4" wg	10" wg					
PSD (Internal Linkage)	Galvanized Steel	304SS, 316SS, Alum	12"	Channel, Flanged	Dish	10	2000	250 (121)	Bubble Tight Leakage Performance in Accordance with AMCA Standard 500-D.			42"x42" / 42" dia.			-	
BTR82	304SS	Coated HRS	9"	Channel, Flanged	Round	10	4000	250 (121)				36"		-	-	-
BTO82	304SS	Coated HRS	9"	Channel, Flanged	Oval	10	4000	250 (121)				36"	-	-	-	-
BTR92	304SS/Coated HRS	316SS	12"	Channel, Flanged	Round	30	7000	250 (121)				48"			-	
BTO92	304SS/Coated HRS	316SS	12"	Channel, Flanged	Oval	30	7000	250 (121)				48"			-	

Industrial Process Control > Blast Suppression Dampers (Airfoil Blade)

Model	Material of Construction		Frame Depth (See Product Data Sheet for Details)	Frame Style	Linkage	Max System Conditions (See Product Data Sheet for Details)			Leakage Rate (with Seals; cfm/sq.ft) <small>NOTE: based on 36" wide multi-blade control dampers or 36" diameter round dampers</small>			Max Single-Section Size (in.) <small>NOTE: unlimited multi-section sizes available.</small>	Submittal	CSI 3-Part Spec	CAD Install Drawing	3D Revit® Files
	Standard	Optional				Pressure (in-wg)	Velocity (fpm)	Temperature °F (°C)	1" wg	4" wg	10" wg					
CBS8BL	Galvanized Steel	304SS, 316SS	12"	Channel Flanged	External	1220 (44psi)	4000	250 (121)				36"x96"			-	-

Industrial Process Control > Multi-Blade Airfoil Tunnel Ventilation Dampers

Model	Material of Construction		Frame Depth (See Product Data Sheet for Details)	Frame Style	Linkage	Max System Conditions (See Product Data Sheet for Details)			Leakage Rate (with Seals; cfm/sq.ft) <small>NOTE: based on 36" wide multi-blade control dampers or 36" diameter round dampers</small>			Max Single-Section Size (in.) <small>NOTE: unlimited multi-section sizes available.</small>	Submittal	CSI 3-Part Spec	CAD Install Drawing	3D Revit® Files
	Standard	Optional				Pressure (in-wg)	Velocity (fpm)	Temperature °F (°C)	1" wg	4" wg	10" wg					
TFD80	Galvanized Steel	304SS, 316SS	8"	Channel, Flanged	External	24	4000	Tunnel Dampers are Designed to Meet Specified Project Performance Requirements						-		
TD102	Alum	304SS or 316SS Frame	10"	Channel, Flanged	External	25	4000			-	-	