

Airflex® VC Features

Section B

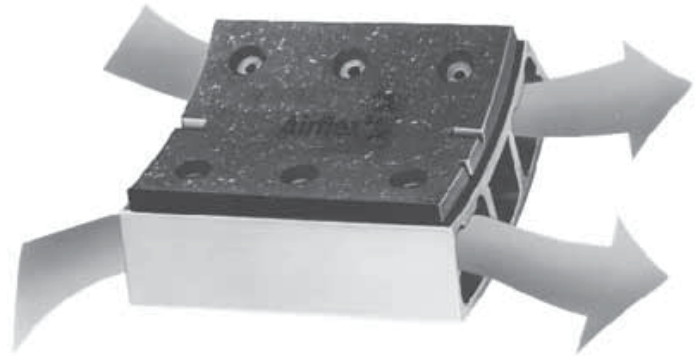
Ventilated Construction

Friction shoe backing plates have large air passages through their entire length. This construction coupled with scalloped side plates allows cooling air to flow through the element. In addition, the large exposed inside diameter assures the coolest possible operation. None of the heat is generated deep in the element's internal parts where it can be trapped. The open construction assures rapid heat dissipation.

Serviceability

The VC clutch can be dismantled on the shaft to gain access to its component parts. All parts are available as replacement parts.

A limited number of element sizes are available in a split configuration. They are used in applications having limited axial access for element maintenance. The following pages give additional descriptive information, selection procedures and common clutch and brake arrangements for the complete VC product line.



Where Used:

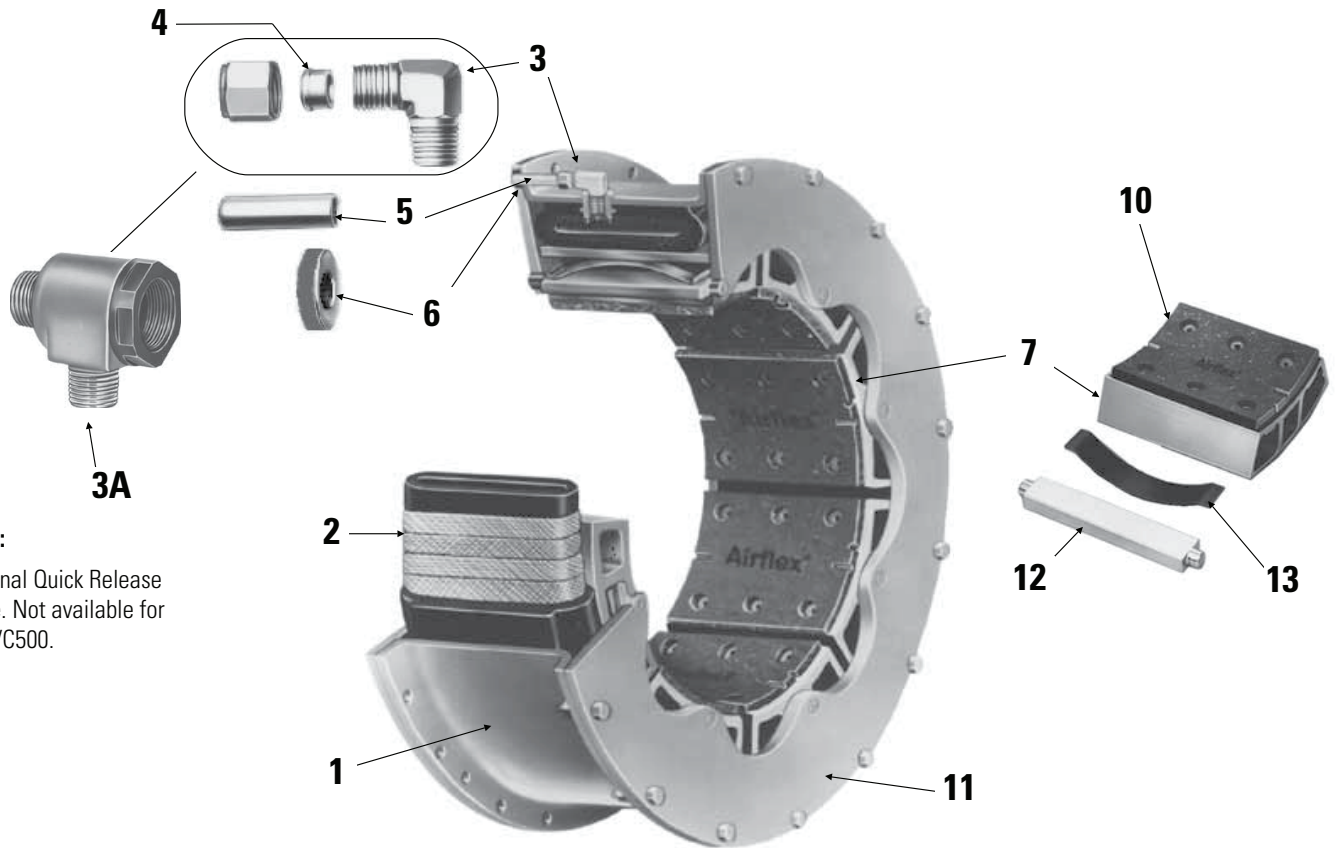
- Grinding Mills
- Marine Propulsion
- Metal Forming Machinery
- Oil Field Machinery

Narrow Sizes	Torque Rating	
	lb · in @ 75 psi	N · m @5, 2 bar
11.5VC500	27000	3050
14VC500	39200	4430
16VC600	65000	7350
20VC600	93000	10500
24VC650	135000	15300
28VC650	182000	20600
33VC650	255000	28800
37VC650	320000	36200
42VC650	380000	42900

Wide Sizes	Torque Rating	
	lb · in @ 75 psi	N · m @5, 2 bar
14VC1000	85000	9610
16VC1000	114000	12900
20VC1000	161000	18200
24VC1000	219000	24700
28VC1000	296000	33400
32VC1000	415000	46900
38VC1200	680000	76800
42VC1200	819000	92500
46VC1200	950000	107000
52VC1200	1215000	137000
51VC1600	1610000	182000
60VC1600	2183000	247000
66VC1600	2800000	316000
76VC1600	3660000	413057
76VC2000	Consult Factory	

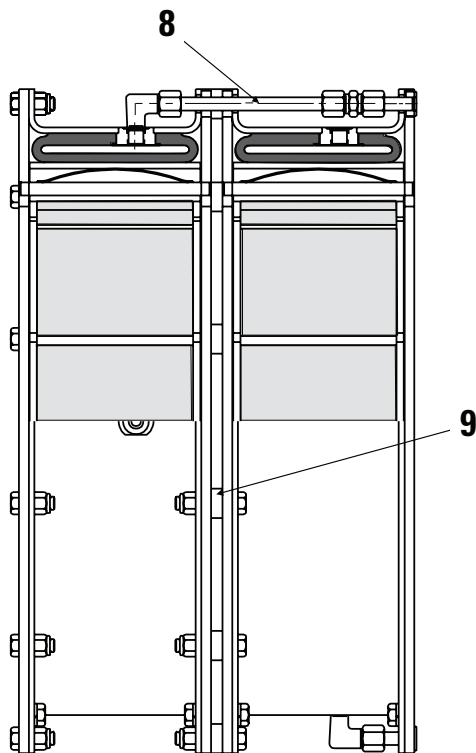
Airflex® VC Component Descriptions

Section B



Note:

Optional Quick Release Valve. Not available for 11.5VC500.

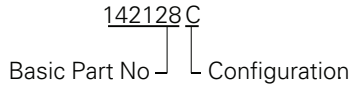


Item	Component Description
1	Rim
2	Tube (with valve stem snap rings where required)
3	Elbow Assembly
3A	Optional -Quick Release Valve Assembly
4	Compression Ring (included with items 3&3A)
5	Air Connection Tube
6	Air Connection Gasket
7	Friction Shoe Assembly
8	Air Tube Group (Dual Mounted)
9	Spacer Group (Dual Mounted)
10	Replacement Friction Lining & Fastener Kit
11	Side Plate (2 required)
12	Torque Bar
13	Release Spring
7, 12, & 13	Friction Shoe, Torque Bar & Spring Kit

Airflex® VC Element Part Numbers

Section B

An alpha suffix is added to the basic element part number to completely describe the element configuration.



The basic element part number is shown on the element catalog pages. Alphas for the more common element configurations are shown on this page. The element part number used in the above example identifies a dual 42VC1200 element equipped with standard friction linings and four side connections.

Alpha Suffixes for Single VC Elements

Number of Valves, Side Connections or QRV's	Type of Lining	Alpha Suffixes		
		Valves Only	With Side Connections	With QRV's
1	Standard	-	HJ	HM
1	Cork	-	LR	MR
2	Standard	HA	HP	HN
2	Cork	HB	HS	HK
4	Standard	HA	HC	HE
4	Cork	HB	HD	HF

Alpha Suffixes for Dual VC Elements

Number of Valves, Side Connections or QRV's	Type of Lining	Alpha Suffixes		
		Valves Only	With Side Connections	With QRV's
2	Standard	-	none	E
2	Cork	AA	A	AK
4	Standard	F	C	D
4	Cork	AA	X	J