

Elcometer FV

Flat Valve

Designed for use with mineral abrasives **Elcometer Flat Valves** provide precise metering of abrasive from the blast pot to the hose, ensuring less wastage.

45° incline design ensures uniform mixture of air and abrasive

Manufactured from high grade aluminium with durable steel control discs for metering media flow

Easy access service port to clear the valve

Designed to work with mineral abrasives

Locking nut allows user to define how open the media valve is

Service kits available for simple maintenance



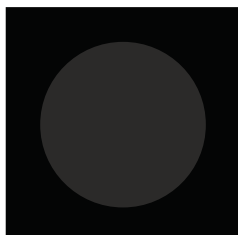
Elcometer FV

Part Numbers

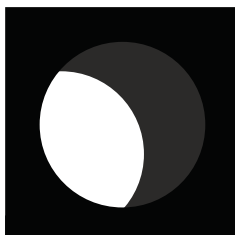
Part Number	Description
MFV-B	Elcometer Mini Flat Valve for use with Elcometer 1020 - BSP Thread
FV-B	Elcometer Flat Valve suitable for all Elcometer blast machines except the Elcometer 1020 - BSP Thread

Flat Valve Abrasive Flow Control

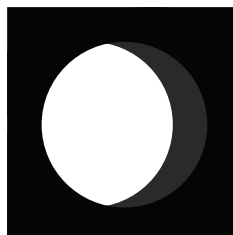
As the handle is rotated, the metal disc slides across the flow tube, metering the abrasive flow.



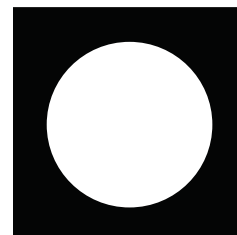
Closed



1/2 Open

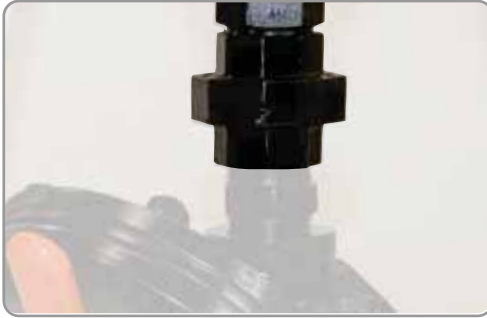


3/4 Open



Open

Flat Valve Pot Connection



The Flat Valve Pot Connection is suitable for all Elcometer blast machines except the Elcometer 1020.

Part Numbers

Part Number	Description
MT30013	1¼" (32mm) Male/Female Equal Union Taper Seat for use with Elcometer FV
MT30012	1¼" (32mm) BSP Hex Nipple for use with Elcometer FV

Mini Flat Valve Pot Connection



The Mini Flat Valve Pot Connection is suitable for the Elcometer 1020 abrasive blast machines.

Part Numbers

Part Number	Description
MT30021	1¼" x ½" (32mm x 13mm) Reducing Hex Nipple for use with Elcometer MFV
MT30020	½" (13mm) Female/Female Union Taper Seat for use with Elcometer MFV
MT28567	½" (13mm) Nipple 60mm Long for use with Elcometer MFV

Flat Valve 45° Mixer



The Flat Valve 45° Mixer is rubber lined for extra wear protection. The mixer directs the media into the flow of air effectively. Suitable for all Elcometer blast machines except the Elcometer 1020.

Part Numbers

Part Number	Description
MT28562	1¼" (32mm) 45° Y - Rubber Lined for use with Elcometer FV
MT30019	1½" (38mm) Male, 60° Cone x 1¼" Male Adaptor for use with Elcometer FV
MT30009	1¼" (32mm) Forged Nipple 3000lb for use with Elcometer FV

Mini Flat Valve Equal T



The Mini Flat Valve Equal T connects to the base of the Elcometer Mini Flat Valve, allowing abrasive media to mix with the air from the pusher line. Suitable for Elcometer 1020 abrasive blast machines.

Part Numbers

Part Number	Description
MT28563	½" (13mm) Flanged Equal T for use with Elcometer MFV
MT29224	½" (13mm) Forged Nipple 3000lb (x2) for use with Elcometer MFV
MT28540	¾" (19mm) 60° Cone x ½" (13mm) Adaptor for use with Elcometer MFV

Elcometer Flat Valve

Elcometer FV

Part Numbers

Part Number	Description
FV-B	Elcometer Flat Valve - BSP Thread

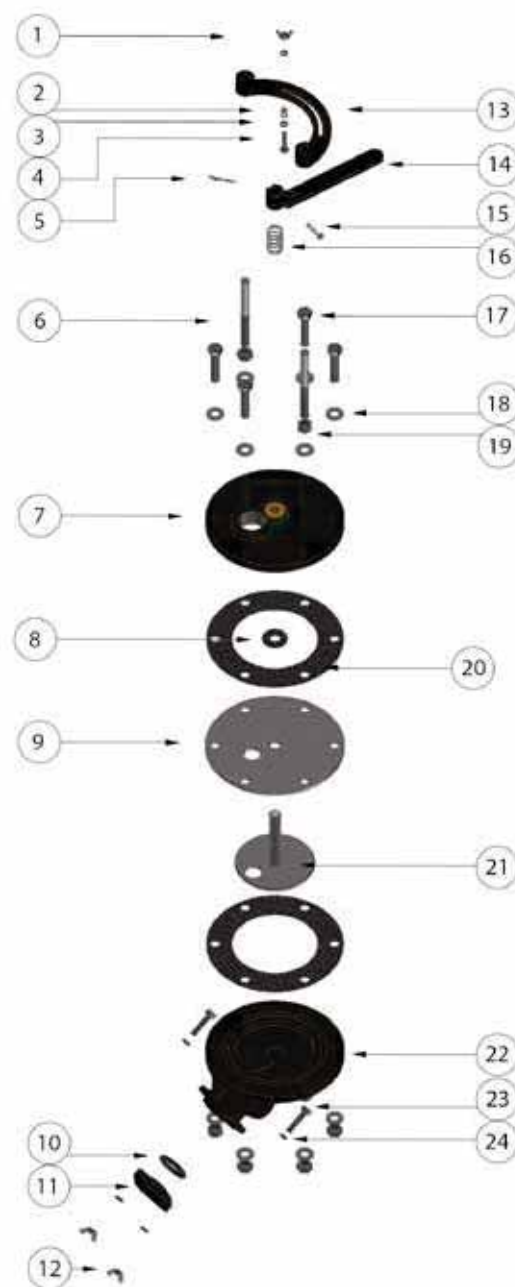


Spare Parts

Item	Part Number	Description
1	KIT 2	Wing Nut M6
2	KIT 2	Spacer M6 x 11
3	KIT 2	Washer M6 (x2)
4	KIT 2	Bolt M6 x 30
5	KIT 1	Air Hose, Steel Standard Safety Clip
6	KIT 2	Long Bolt (M12) (x2)
7	MT30078	Flat Valve Top Plate
8	KIT 1	Flat Valve Top Plate Gasket
9	MT30079	Flat Valve Middle Plate
10	KIT 1	Bottom Cover Gasket
11	MT30080	Flat Valve Bottom Cover
12	KIT 2	Wing Nut M8 (x2)
13	MT28578	FV Level Handle Guide
14	MT30006	Flat Valve Handle
15	KIT 1	Handle Pin
16	KIT 1	Spring
17	KIT 2	Bolt M12 x 50 (x4)
18	KIT 2	Washer (x12)
19	KIT 2	Nut M12 (x8)
20	KIT 1	Gasket (x2)
21	KIT 1	Flat Valve Shut Plate + Shaft
22	MT30007	Flat Valve Bottom Plate
23	KIT 2	Bolt M8 x 35 (x2)
24	KIT 2	Washer M8 (x4)

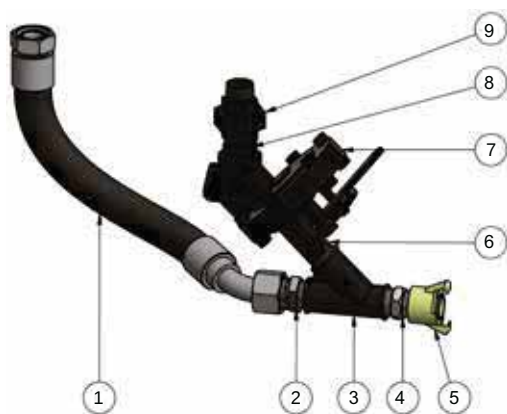
Service Kits

Part Number	Description
MT30153	FV Service Kit 1 (contains items 5, 8, 10, 15, 16, 20, & 21)
MT30053	FV Service Kit 2 (contains items 1, 2, 3, 4, 7, 13, 18, 19, 20, 23 & 24)



Elcometer FV

Elcometer Flat Valve Pusher Line Assembly



Technical Specification

Operating Temperature	0° to 60°C
Max Working Pressure (WP)	15bar (217psi)

Part Numbers

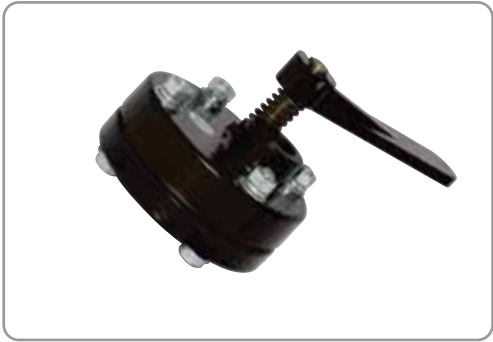
Part Number	Description
MT30068-1	Elcometer 1440 Full FV Assembly complete with Pusher Line, 45° Mixer, FV Flat Valve, Pot Union, Pot Coupling & Airline Assembly
MT30068-2	Elcometer 1460 Full FV Assembly complete with Pusher Line, 45° Mixer T, FV Flat Valve, Pot Union, Pot Coupling & Airline Assembly
MT30068-3	Elcometer 20100 Full FV Assembly complete with Pusher Line, 45° Mixer T, FV Flat Valve, Pot Union, Pot Coupling & Airline Assembly
MT30068-4	Elcometer 24200 Full FV Assembly complete with Pusher Line, 45° Mixer T, FV Flat Valve, Pot Union, Pot Coupling & Airline Assembly
MT30068-5	Elcometer 24285 Full FV Assembly complete with Pusher Line, 45° Mixer T, FV Flat Valve, Pot Union, Pot Coupling & Airline Assembly

Spare Parts

Item	Description	Part Number				
		Model 1440	Model 1460	Model 20100	Model 24200	Model 24285
1	1 1/2" 15bar Pusher Line Assembly complete with Swaged Hose	MT28609-2	MT28609-4	MT28609-6	MT28609-7	MT28609-7
2	1 1/2" BSP Male, 60° Cone / 1 1/4" Male Red			MT30019		
3	1 1/4" BSP 45° T - Rubber Lined			MT28562		
4	1 1/4" BSP Forged Nipple, 3000lbs			MT30009		
5	1 1/4" BSP Claw Coupling			MT30010		
6	1 1/4" BSP Nipple Medium EN 10255			MT30011		
7	FV Main Assembly			FV-B		
8	1 1/4" BSP Hex Nipple			MT30012		
9	1 1/4" BSP Male/Female Equal Union Taper Seat			MT30013		

Elcometer Mini Flat Valve

Elcometer MFV



Part Numbers	
Part Number	Description
MFV-B	Elcometer Mini Flat Valve for use with Elcometer 1020 Blast Machine - BSP Thread

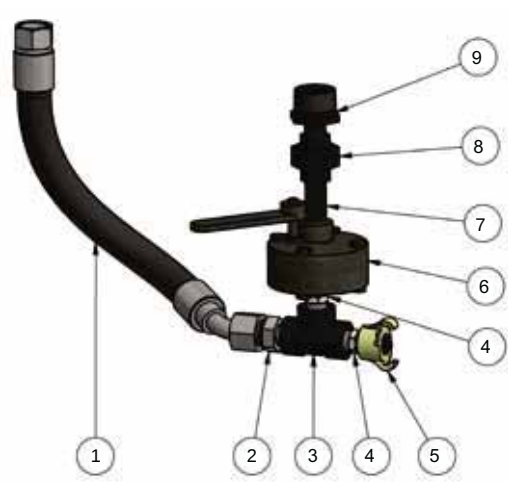


Spare Parts		
Item	Part Number	Description
1	KIT 1	Nut M8 (x4)
2	KIT 1	Spring Washer M8 (x4)
3	KIT 1	Washer M8 (x8)
4	MT30150	Shut Off Valve Assembly
5	MT30152	Gasket
6	MT30151	Bottom Plate
7	KIT 1	Bolt M8 x 50 (x4)

Service Kits	
Part Number	Description
MT30054	MFV Service Kit 1 (contains items 1, 2, 3 & 7)

Elcometer MFV

Elcometer Mini Flat Valve Pusher Line Assembly



Technical Specification	
Operating Temperature	0 to 60°C
Max Working Pressure (WP)	15bar (217psi)

Part Numbers	
Part Number	Description
MT30069	Elcometer 1020 Full MFV Assembly complete with Pusher Line, 45° Mixer T, MFV Mini Flat Valve, Pot Flange, Pot Coupling & Airline Assembly

Spare Parts		
Item	Part Number	Description
1	MT28608-1	3/4" 15bar Pusher Line Assembly complete with Swaged Hose
2	MT28540	3/4" BSP 60° Cone x 1/2" Adaptor
3	MT28563	1/2" Flanged Equal T
4	MT29224	1/2" BSP Forged Nipple 3000lb
5	MT30090	1/2" BSP Claw Coupling
6	MFV-B	Mini Flat Valve Main Assembly
7	MT28567	1/2" Nipple 60mm
8	MT30020	1/2" Female/Female Union Taper Seat
9	MT30021	1 1/4" x 1/2" Reducing Hex Nipple