

Elcometer AGV

**Automatic
General Valve**

Elcometer AGV Automatic General Valve
ensures precision abrasive control and fail-safe
shut down of both the blast stream and media
flow.



Media flow indicator
and rubber liner wear
indicator

Tested to a maximum
working pressure of
15bar (217 psi)

Precision abrasive
control to ensure
maximum efficiency
even whilst blasting

Safely adjust media
flow when in use to
save time

ElcoTOUGH™ rubber
liner can be quickly
replaced without
disconnecting valve

100% abrasive
shut off - reducing
wastage



Replace the elcoTOUGH™
rubber valve liner with just
2 bolts

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<https://elcometer.nt-rt.ru/> || erj@nt-rt.ru

Ideal for metering fine, heavy or aggressive abrasive materials, such as shot, grit & aluminium oxide, the pinch valve style design prevents the valve body from coming into contact with the abrasive stream as it is protected by the long life **elcoTOUGH™** rubber valve liner, which can be quickly replaced when worn.



Safe & Efficient

The Elcometer Automatic General Valve has a built in fail-safe feature that shuts off both the blast stream and media flow at the handle quickly and safely - reducing wastage.



Easy to Use

With a built in media flow indicator the Elcometer Automatic Valve allow the operator to adjust the media flow even during blasting, ensuring precise abrasive metering for an even, regulated flow.



Fast to Service

To replace the hardwearing elcoTOUGH™ rubber valve liner, the Elcometer Automatic General Valve does not have to be removed from the blast machine and can be quickly replaced without training.

Flexible

The Elcometer AGV Automatic General Valves fit most abrasive blast machines on the market.

Elcometer Automatic General Valve

Elcometer AGV

Part Numbers

Part Number	Description
AGV-B	Elcometer Automatic General Valve - complete with elcoTOUGH™ Rubber Valve Liner

Mixer T

The **Elcometer Mixer T** is made from ultra-hard wearing machined steel so that they last longer, and when it starts to wear out, simply rotate it by 180° to double its service life.



Connects to the base of GV & AGV abrasive media valves, allowing abrasive media to mix with air from the blast hose

Machined from a solid piece of hard wearing steel

Internal shoulder prevents grit from entering thread, minimising wear & maximising lifetime

Part Numbers

#	Part Number	Description
1	MT28553	1 ½" (38mm) Mixer T for Elcometer GV and AGV Abrasive Media Valves

Spare Parts

#	Part Number	Description
2	MT29710	1½" (38mm) Male/Male Adaptor - 60° CONE
3	MT29014	1½" (38mm) BSP Forged Hex Nipple 3000lb
4	MT30002	Elcometer ABM 1 ½" (38mm) BSP Pot Coupling

elcoTOUGH™

Elcometer elcoTOUGH™ Rubber Valve Liner

The **elcoTOUGH™** liners last more than 3 times longer and can be quickly replaced without removing the valve from the machine.

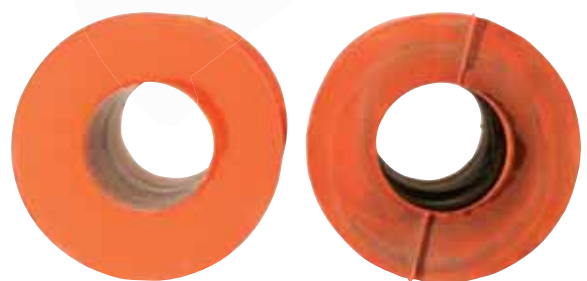
Made from tough, abrasion resistant natural rubber

Ideal for metering all types of abrasive materials

The ElcoTOUGH™ rubber liner can be quickly replaced without disconnecting the valve



elcoTOUGH™ Long Life Liner



New elcoTOUGH™ Valve Liner

elcoTOUGH™ Valve Liner after 1665 Hours with Copper Slag at 8bar (116psi)

Part Numbers

Part Number	Description
Standard Valve Liner	
GV-LINER1	1" (25mm) GV & AGV ElcoTOUGH™ Rubber Valve Liner (x1)
GV-LINER5	1" (25mm) GV & AGV ElcoTOUGH™ Rubber Valve Liner (x5)
GV-LINER20	1" (25mm) GV & AGV ElcoTOUGH™ Rubber Valve Liner (x20)
Mini Valve Liner	
MGV-LINER1	½" (13mm) MGV ElcoTOUGH™ Rubber Valve Liner (x1)
MGV-LINER5	½" (13mm) MGV ElcoTOUGH™ Rubber Valve Liner (x5)
MGV-LINER20	½" (13mm) MGV ElcoTOUGH™ Rubber Valve Liner (x20)

Mini Flanged T

The Elcometer Mini Flanged T connects to the base of the Elcometer Mini Grit Valve (MGV) used on the Elcometer 1020, allowing abrasive media to mix with the air from the blast hose.



Part Numbers	
Part Number	Description
MT29246	½" (13mm) Flange & Equal T Assembly for use with Elcometer MGV Mini General Valve

8 Hole Pot Flange

The Elcometer 8 Hole Pot Flange has 8 holes to ensure accurate orientation of the media valve without having to over tighten the flange into the pot coupling.



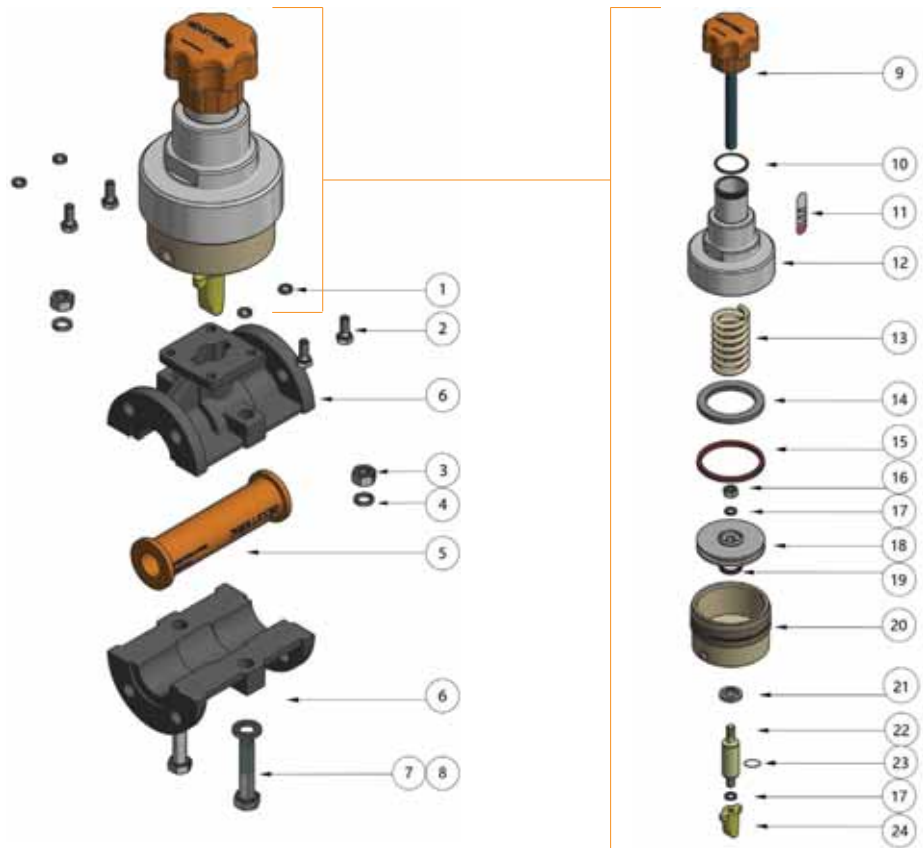
Part Numbers	
Part Number	Description
MT28536	1¼" to ½" (32mm to 13mm) Reducing Nipple Flange Assembly for Elcometer 1020 for use with MGV Abrasive Valve
MT28552	1¼" to 1" (32mm to 25mm) Reducing Nipple Flange Assembly for Elcometer Blast Machines using the GV or AGV Abrasive Valves
MT30021	1¼" to ½" (32mm to 13mm) Reducing Hex Nipple
MT30530	½" (13mm) Flange
MT30528	1¼" to 1" (32mm to 25mm) Reducing Hex Nipple
MT29553	1" (25mm) Flange

Elcometer AGV

Elcometer Automatic General Valve



Part Number	Description
AGV-B	Elcometer Automatic General Valve - BSP Thread



Spare Parts

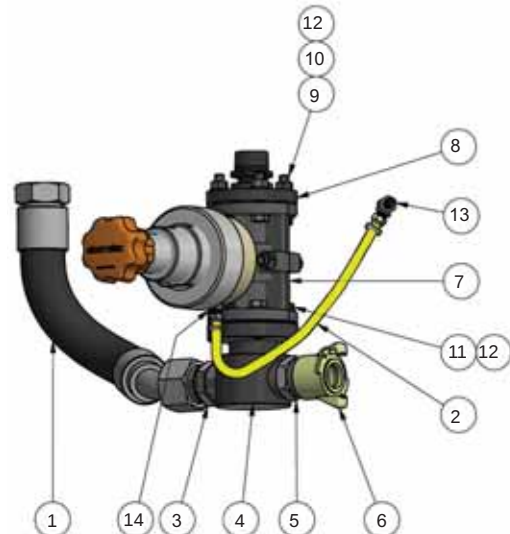
Item	Part Number	Description	Item	Part Number	Description
1	KIT 1	M8 Steel Spring Washer (x4)	13	MT29996	Spring 56mm OD x 110mm
2	KIT 1	M8 x 20mm BSP Hex Bolt Grade 4.6 (x4)	14	KIT 4	Actuator Stop Ring
3	KIT 2	M12 Zinc Plated Steel Nut (x2)	15	KIT 4	Piston Seal 101.6 OD 88.9 ID
4	KIT 2	M12 Steel Spring Washer (x2)	16	KIT 3	M12 Zinc Plated Steel Nut
5	GV-LINER1	Rubber Valve Liner	17	KIT 3	M12 Steel Spring Washer (x2)
6	MT29993	AGV Valve Housing Body	18	MT29997	Actuator Piston
7	KIT 2	M12 Zinc Plated Steel Washer (x2)	19	KIT 4	Piston Seal 35 OD 25 ID
8	KIT 2	M12 x 70 Zinc Plated Hex Bolt (x2)	20	MT29998	Actuator Cylinder
9	MT29994	AGV Valve Handwheel & Shaft	21	KIT 4	Rod Wiper Seal Ø25mm Shaft
10	KIT 4	O Ring 3mm Cord x 44.5 ID	22	MT29999	Plunger Shaft
11	KIT 4	Valve Indicator Label	23	KIT 4	O Ring BS4518 0116-24
12	MT29995	Actuator Spring Housing	24	MT30001	Valve Plunger

Service Kits

Part Number	Description
MT30044	AGV Service Kit 1 (contains items 1 & 2)
MT30045	AGV Service Kit 2 (contains items 3, 4, 7 & 8)
MT30047	AGV Service Kit 3 (contains items 16 & 17)
MT29598	AGV Service Kit 4 (contains items 10, 11, 14, 15, 19, 21 & 23)

Technical Specification

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



Part Numbers

Part Number	Description
MT30065-1	Elcometer 1440 Full AGV Assembly complete with Pusher Line, Mixer T, AGV Automatic General Valve, Pot Flange, Pot Coupling & Airline Assembly
MT30065-2	Elcometer 1460 Full AGV Assembly complete with Pusher Line, Mixer T, AGV Automatic General Valve, Pot Flange, Pot Coupling & Airline Assembly
MT30065-3	Elcometer 20100 Full AGV Assembly complete with Pusher Line, Mixer T, AGV Automatic General Valve, Pot Flange, Pot Coupling & Airline Assembly
MT30065-4	Elcometer 24200 Full AGV Assembly complete with Pusher Line, Mixer T, AGV Automatic General Valve, Pot Flange, Pot Coupling & Airline Assembly
MT30065-5	Elcometer 24285 Full AGV Assembly complete with Pusher Line, Mixer T, AGV Automatic General Valve, Pot Flange, Pot Coupling & Airline Assembly

Spare Parts

Item	Description	Part Numbers				
		Model 1440	Model 1460	Model 20100	Model 24200	Model 24285
1	1½" 15bar Pusher Line Assembly complete with Swaged Hose	MT28609-1	MT28609-3	MT28609-5	MT28609-6	MT28609-6
2	Elcometer Airline Assembly	MT29580-2	MT29580-3	MT29580-4	MT29580-5	MT29580-6
3	1½" Male/Male BSP Adaptor - 60° Cone			MT29710		
4	1½" Mixer T			MT28553		
5	1½" BSP Forged Hex Nipple 3000lb			MT29014		
6	1½" BSP Claw Coupling			MT30002		
7	AGV Main Assembly			AGV-B		
8	1¼" to 1" Reducing Nipple Flange Assembly			MT28552		
9	M12 x 50 Zinc Plated Hex Bolt (x4)			KIT 5		
10	M12 Zinc Plated Steel Nut (x4)			KIT 5		
11	M12 x 40 Zinc Plated Hex Bolt (x4)			KIT 5		
12	M12 Zinc Plated Steel Washer Grade A (x12)			KIT 5		
13	¼" BSP Male Female T Adaptor			MT30089		
14	¼" BSP 60° Cone X BSP Adaptor			MT30086		
	AGV Service Kit 5 (contains items 9, 10, 11 & 12)			MT30048		

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