

Manual, Disposalregulation for gas springs and hydraulic dampers Type 016 and 011

Dear Customer,

You have purchased a quality product which has been developed and tested on the basis of over 30 years of experience at SUSPA. Manufacturing takes place according to the most current technological development. We ask you carefully observe the following instructions in accordance with our knowledge. It is our wish that your expectations in the function of our gas cylinders and dampers are completely fulfilled in every respect.

Storage:

After longer periods of storage, a slight oil film may materialize at the piston rod side of the product. Such materialization is system-specific and has no impact on the function. Storage of the parts should be piston rod downward. Please cycle the parts at least once after 6 month of storage.

Handling:

SUSPA Products may stand under high pressure. In order to avoid reduction of service life, safety and function, piston rods are not to be damaged, painted, or treated with aggressive materials. Radial stress effects, impact effects, any type of alteration or manipulation (f. e. opening), tensile load, heating, re-painting, removal of imprints, bulk handling, as well as extreme influence of wastewater, splash or salt water are not permissible. The outer tube is not to be deformed or damaged. Products that were modified or damaged in any kind must not to be put into operation and have to be exchanged.

Operation:

Your specific application is the basis for the technical design of SUSPA Products. Please discuss your particular requirements with our applications technicians in advance. Our products fulfil the specifications shown in SUSPA drawings. Unless otherwise specified, the products are to be used with the piston rods pointing down within a temperature range of -25°C up to +60°C.

Disposal, security advise:

Specifications as well as safety data sheets (regulation 2001/58 EG, Suspa GmbH is certified in accordance with DIN ISO 14 001) are, of course, available for all substances and preparations that require such information. These can, for our know-how security, only be studied in our facilities. SUSPA products contain oil and many only be disposed of by Suspa GmbH, the raw materials industry our a hazardous wastes collection site. Our products may only be decompressed under observation of all environmental protection and accident prevention regulations by qualified personnel. A boring (approx. 3mm diameter and 10mm depth) placed at approx. 20mm from the tube end pointing away from the piston rod (twin tube possible) is to be carried out in an extended position of the piston rod. Metal chips, nitrogen and oil mist may be emitted at high speed during this process, there fore secure the borehole. The oil may be pumped out by way of stroke movements of the piston rod and is then to be properly disposed of. The waste-type classification was carried out in accordance with the current A V V bzw. E A K.

All SUSPA employees know that customer satisfaction is created by every single-one. All defects in material and manufacture are covered by a one-year warranty, give the instructions specified herein are adhered to.

	Description	Material	Waste Code	Type of Waste	Type of Disposal	Comments
Disposal Regulations for SUSPA Gas Cylinders Typ 016	Piston rod	Steel	20 01 40	Metals	Recycle	Deliver for steel smelting
	Outer tube	Steel	20 01 40	metals	Recycle	Deliver for steel smelting
	Guide	Duroplastic PF	20 01 39	Plastic parts	Recycle	Sort by Grade and deliver for recycling
	Seal	Rubber-Metal	20 03 01	Mixed urban waste	Dispose	Waste disposal
	Spacer	Aluminium	20 01 40	Metals	Recycle	Deliver for steel smelting
		Steel/Zinc	20 01 40	Metals	Recycle	Deliver for steel smelting
	Piston	POM	20 01 39	Plastic parts	Recycle	Sort by Grade and deliver for recycling
		Aluminium/Zinc	20 01 40	Metals	Recycle	Deliver for steel smelting
	Piston ring	PTFE	20 01 39	Plastic parts	Recycle	Sort by Grade and deliver for recycling
	Washer	Steel	20 01 40	Metals	Recycle	Deliver for steel smelting
	Damper	Oil	13 01 10	Oils and greases	Recycle	Collect as old oil, deliver for recycling
	Gas	Nitrogen				Small amount of gas, no danger to health
	Ball socket	Plastic-	20 03 01	mixed urban waste	Dispose	Waste disposal
Metall		20 01 40	Metals	Recycle	Deliver for steel smelting	
Disposal Regulations for SUSPA Hydraulic Dampers Typ 011	Piston rod	Steel	20 01 40	Misc. Metals	Recycle	Deliver for steel smelting
	Outer tube	Steel, Aluminium	20 01 40	Misc. Metals	Recycle	Deliver for steel smelting
	Guide	Brass	20 01 40	Misc. Metals	Recycle	Deliver for steel smelting
		Zn-Diecasting	20 01 40	Misc. Metals	Recycle	Deliver for steel smelting
	Seal	Rubber-metal	20 03 01	Mixed urban waste	Dispose	Waste disposal
	Bottom valve	Steel	20 01 40	Misc. Metals	Recycle	Deliver for steel smelting
		PTFE	20 01 39	Plastic parts	Recycle	Deliver for steel smelting
		Rubber	20 03 01	Mixed urban waste	Dispose	Waste disposal
	Separator piston	Aluminium	20 01 40	Misc. Metals	Recycle	Deliver for steel smelting
		Rubber	20 03 01	Mixed urban waste	Dispose	Waste disposal
	Piston	Steel	20 01 40	Misc. Metals	Recycle	Deliver for steel smelting
		sintered metal	20 01 40	Misc. Metals	Recycle	Deliver for steel smelting
		Zn-Diecasting	20 01 40	Misc. Metals	Recycle	Deliver for steel smelting
	Inner tube	Steel	20 01 40	Misc. Metals	Recycle	Deliver for steel smelting
	Distance	Sintered metal	20 01 40	Misc. Metals	Recycle	Deliver for steel smelting
	Damping	Oil	13 01 10	Oils and greases	Recycle	Collect as old oil and deliver for recycling
	Gas	Nitrogen				Small amount of gas, no danger for health
	Connection	Steel	20 01 40	Misc. Metals	Recycle	Deliver for steel smelting
		POM	20 01 39	Plastic parts	Recycle	Sort by grade and deliver for recycling
		Zn-Diecasting	20 01 40	Misc. Metals	Recycle	Deliver for steel smelting
	Bearing	Rubber	20 03 01	Mixed urban waste	Recycle	Waste disposal
	Distance	Steel	20 01 40	Misc. Metals	Recycle	Deliver for steel smelting