

BUREAU OF INDIAN STANDARDS
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मसौदा संशोधन सं. 1

**आई एस 1970 : 2024 फसल संरक्षण उपस्कर – हस्त-चालित कम्प्रेसन पीठ
पर लादा जाने वाला फुहारा – विशिष्टि (छठा पुनरीक्षण)**

Draft AMMENDMENT NO. 1 to

**IS 1970 : 2024 CROP PROTECTION EQUIPMENT — HAND-OPERATED
COMPRESSION KNAPSACK SPRAYER — SPECIFICATION (Sixth Revision)**

Agricultural Machinery and Equipment Sectional Committee, FAD 11	Last date for Comments: 5 December 2024
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[Page 7, Table 1] — Substitute the following table for the existing:

Table 1 Materials of Construction of Various Components
(Clause 4 and 4.2)

SL No.	Component	Material
(1)	(2)	(3)
i)	Tank	Stainless Steel/Plastic/Brass
ii)	Filler ring	Stainless Steel/Plastic/Brass
iii)	Filler bung	Stainless Steel/Plastic/Brass
iv)	Pump Cylinder	Stainless Steel/Brass
v)	Guide	Stainless Steel/Plastic/Brass
vi)	Clean-out port	Stainless Steel/Plastic
vii)	Drain plug	Stainless Steel/Brass/Engineering Plastic
viii)	Discharge pipe	Stainless Steel/Brass
ix)	Pump cap	Stainless Steel/Plastic/Brass
x)	Hose nut	Stainless Steel/Plastic/Brass
xi)	Hose nipple	Engineering plastic/Brass/Aluminium alloy
xii)	Strainer	Engineering plastic/Brass/Aluminium alloy
xiii)	Piston rod	Mild steel
xiv)	Hose ferrule/Clip	Stainless Steel
xv)	Handle locking device	Galvanize iron
xvi)	Handle	Stainless Steel/Wood Plastic
xvii)	Piston	Chrome tanned leather/Synthetic rubber / PVC
xviii)	Spreader	Stainless Steel/mild steel
xix)	Buffer	Spring steel
xx)	Strap	Synthetic yarn/Woven web Cotton
xxi)	Hose	Braided Rubber/PVC

xxii)	Gasket	Synthetic Rubber/PVC/Fibre
xxiii)	Valve seat	Stainless Steel/Engineering Plastic/Brass
xxiv)	Valve	Stainless Steel /Engineering Plastic/Brass
xxv)	Shut-off cock	Stainless Steel/Brass/Engineering plastic
xxvi)	Skirt	Stainless Steel/mild steel/Plastic
xxvii)	Back rest	Alloy Steel/Engineering plastic
xxviii)	Strap Buckle	Mild steel/Engineering plastic
xxix)	Cushion	Plastic
xxx)	Foot rest	Mild steel
xxxi)	Spray lance	Brass Plastic, stainless steel
xxxii)	Nozzle components	
	a) Body and cap	Brass, engineering plastic, stainless steel
	b) Swirl core	Brass, engineering plastic stainless steel,
	c) Disc tip	Brass, ceramic, stainless steel
	d) Spindle, coupling nut and gland nut	Brass, engineering plastic stainless steel
xxxiii)	Cut-off device components	
	a) Body, valve stem, valve seat, gland, nut, cap and collar, nipple	Brass, engineering plastic, stainless steel
	b) Valve	Brass, synthetic rubber, stainless steel, plastic
	c) Operating knob/ lever	Brass, engineering plastic
	d) Operating trigger	Stainless steel, engineering plastic
	e) Spring	Stainless steel
	f) Gasket	Synthetic rubber, fibre, PVC
	g) Gland seal	PVC
	h) Gland packing	Asbestos rope
xxxiv)	Spray gun components	
	a) Barrel, connecting rod, connecting guide, connections for extension, holder and inlet collector, lock nuts, gland out and rigid washer	Brass, engineering plastics, stainless steel
	b) Swirl rotor, nozzle cap and body	Brass, engineering plastic, stainless steel
	c) Spring	Stainless steel
	d) Nozzle disc	Brass, stainless steel, ceramic
	e) Grip	Plastic
	f) Trigger, trigger lock or screw	Brass steel
	g) Nozzle valve	Synthetic rubber PVC, fibre

	h) Packing gland	Asbestos rope
	i) Gland seal	PVC
	j) Split pin/pivot pin	Steel

(FAD 11)