

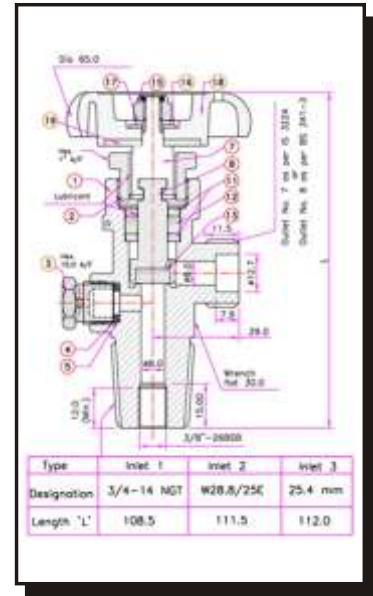
## Valves for Carbon Dioxide

### Wheel / Key operated valves

#### Series : FWT-11

#### Product Features

- Internally threaded chamber design helps protect valve body chamber threads from damage.
- Two pcs. Spindle self aligns and makes valve easy leak proof. Precision milling of top spindle on Vertical machining centre ensures smooth and uniform movement of the operating mechanism.
- Valve for firefighting satisfy discharge rate requirements of IS 2874:2004
- Restricted safety discharge flow make valves suitable for fire fighting cylinders up to 15 litre wc.
  - Orifice Diameter : 8 mm Fire Fighting.



#### Service Chart

Gas service	Test Pressure Kg/cm <sup>2</sup>		Outlet connection							
	Pneumatic	Hydraulic	IS 3224:2002		CGA V-1-2005		BS 341-3:2002 (Upto 250 Bar)		DIN 477-1:1990 (Upto 300 Bar)	
			No	Thread	No	Thread	No	Thread	No	Thread
Carbon Dioxide	158	237	7	W21.8 x 1.814-RH (External)	320	.825-14 NGO – RH-EXT	8	0.860"X 14 tpi Whit form (External)	6	W21.8 x 1/14 (External)

Dip tube provision: Valves tapped 3/8" BSB at inlet

Safety disc burst pressure : 200 – 220 kgf/cm<sup>2</sup>

#### Series : FWS-11

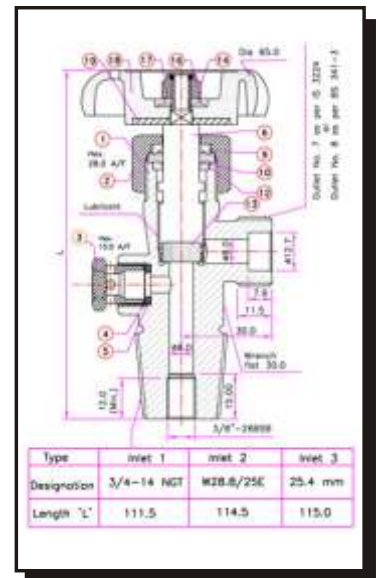


#### Product Features

- Valve design is "packed" type. Single piece soft seated stainless steel spindle facilitates quick assembly and ease of operation
- Valves are also available with body having integral bracket, which can be placed on wall hook. Such valves are fitted with handle to enable lifting of cylinder.
- Orifice Diameter 8 mm.

#### Torque Values

Series	Closing	Gland Nut Installation	Retainer plug
FWT - 11	5 Nm	35 Nm	12 Nm
FWS - 11	6 Nm	60 Nm	
FKS - 11			



## Valves for Carbon Dioxide

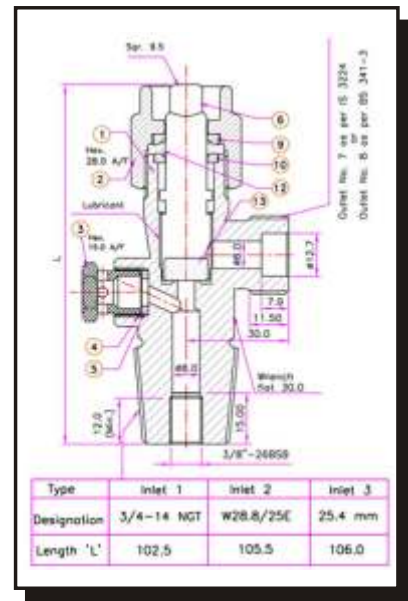
### Wheel / Key operated valves

#### Series : FKS-11



#### Product Features

- Robust gland design and protected spindle ideal for industrial use.
- Nylon 66 valve seat provides greater resistance to wear and ensure long service life.
- "Packed" type design allows tightening of gland nut to compensate for packing wear and arrest gland leakage.
- Orifice Diameter 5 mm.



#### Material of Construction

Item No.	Description	Material	FWT-11	FWS-11	FKS-11
1	Valve body-forged	BS:218 (Modified) as per IS : 8737	✓	✓	✓
2	Gland nut	Free cutting brass to IS : 319 (Grade 1)	✓	✓	✓
3	Retainer plug		✓	✓	✓
4	Safety disc		Copper C 101	✓	✓
5	Safety disc washer	Nylon 66	✓	✓	✓
6	Spindle	Wheel type		✓	
		Key type			✓
7	Top spindle	Free cutting brass to IS: 319 ( Grade 1)	✓		
8	Bottom spindle		✓		
9	Gland washer – Top		✓	✓	✓
10	Gland washer – Bottom			✓	✓
11	Gland washer x 2		✓		
12	Packing	Teflon <sup>®</sup>		✓	✓
		Neoprene	✓		
13	Soft seating	Nylon 66			✓
		Nylon 6	✓	✓	
14	Nylock nut ( <sup>1</sup> / <sub>4</sub> "-20 BSW)	MS		✓	
15	Plain nut ( <sup>5</sup> / <sub>16</sub> "-18 BSW)		✓		
16	Plain washer		✓	✓	
17	Spring washer	Spring steel	✓	✓	
18	Wheel	30% glass filled nylon 6	✓	✓	
19	Wheel Plate	Brass	✓	✓	