

# JOHN FIG 560

## Sludge Relief Valve

This series of valves provides open spring relief valves with bronze bodies, stainless steel valves and seats, stainless steel spindles, and PTFE glands (in sizes from 15 to 80mm). The valves are available in straight and right-angle patterns with flanged or screwed ends. The valves are also available having cast iron or cast steel bodies up to 350mm nominal bore if ordered specially. The standard valves from 15 to 80mm are available for various BOP ranges from 70 kPa to 1400 Kpa. Screwed end valves in bronze are only available screwed 15 to 80mm BSP taper thread.

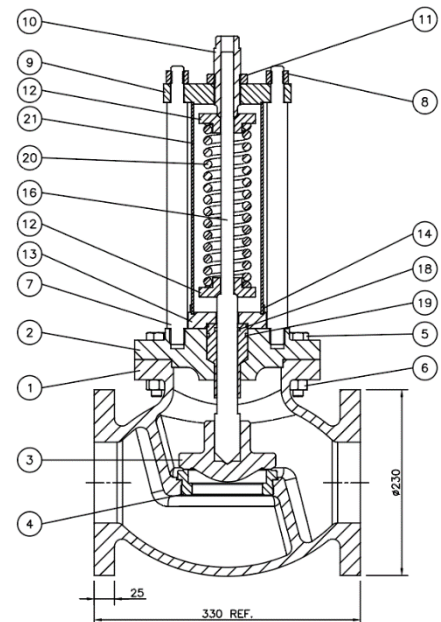
<b>Body</b>	DN40-DN100: Carbon Steel (ASTIM A216WCB), Ductile Iron or Steel DN15-32: Gunmetal
<b>Trim</b>	Stainless Steel 316
<b>Size Range</b>	40, 50, 65, 80, 100 (Larger Sizes on Request)
<b>Pressure Rating</b>	PN15
<b>Temperature</b>	-196° C - 200° C
<b>Connections</b>	Flanged Table 'F' (Ductile Iron) Flanged Table 'H' (Carbon Steel / Bronze)
<b>Options</b>	Spring Protector
<b>Standards</b>	AS 1271, Class B, BS6759 Pt 1,2,3, ASME- Boiler and Pressure Vessel Code, Section VIII

### Dimensions (mm)

Size	15	20	25	32	40	50	65	80	100
<b>A</b>	254	257	306	333	333	450	590	590	690
<b>B</b>	152	152	155	180	197	216	235	267	330

### Materials of Construction

ID	PART	MATERIAL
1	Body	DN40-DN100: Carbon Steel (ASTIM A216WCB), Ductile Iron or Steel DN15-32: Gunmetal
2	Cover	CS
3	Disc	SS431
4	Seat	SS316
5	Cover Bolt	A2-70 ST.ST.
6	Nuts	A2-70 ST.ST.
7	Pillar	SS316
8	Pillar Nuts	SS316
9	Crosshead	SS316
10	Adjusting Bold	SS316
11	Lock Nut	SS316
12	Spring Plates	SS304
13	Gland	SS316
14	Gland Screws	SS316
15	Stem Bearing	Gunmetal
16	Stem	SS316
17	Gasket	FASIT202
18	Shaft O-Ring	Nitrile
19	Sleeve O-Ring	Nitrile
20	Spring	SS304



\* Recommended spares; available from John Valves. Recommended inspection every 12 months.



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### Capacity: Water in L/M at 10% Overpressure

Set Pressure	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN100
69	8.60	19.41	34.55	58.75	84.33	163.20	254.58	363.92	649
345	19.13	43.27	76.82	130.92	186.83	363.69	568.26	816.02	1452
690	27.04	61.00	108.42	185.48	265.95	514.62	802.38	1129.62	2054
1034	33.05	75.01	133.20	227.30	325.96	630.99	977.41	1413.85	2514
1378	38.37	86.60	153.66	262.76	375.96	727.83	1135.62	1629.79	2903

### Dimensions (mm)

#### Fig 560

Size	15	20	25	32	40	50	65	80	100
H	254	257	306	333	333	450	590	590	690
F	152	152	155	180	197	216	235	267	330

#### Fig 560A

Size	15	20	25	32	40	50	65	80	100
H	254	257	306	333	333	450	590	590	690
F	80	80	80	95	98	102	112	140	165

#### Fig 550

Size	15	20	25	32	40	50
H	260	260	265	350	350	356
F	80	89	117	122	140	178

#### Fig 550AF

Size	15	20	25	32	40	50
H	260	260	265	350	350	356
F	83	83	89	97	102	117

#### Fig 550F

Size	15	20	25	32	40	50
H	260	260	265	350	350	356
F	102	115	125	140	152	177

#### Fig 550A

Size	15	20	25	32	40	50
H	260	260	265	350	350	356
F	40	48	53	56	86	88

