





**FH**

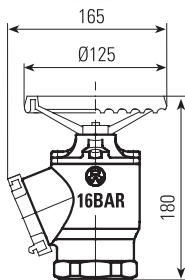


# FIRE HYDRANT

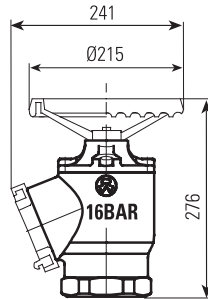


## Hydrant Valves

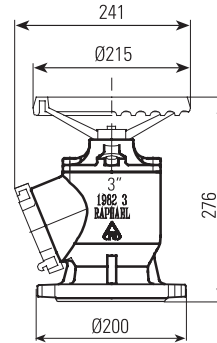
**FHT - 2"**



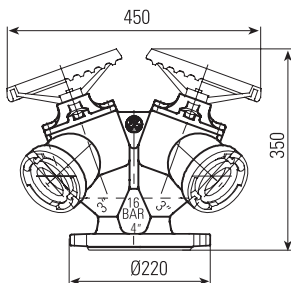
**FHT - 3"**



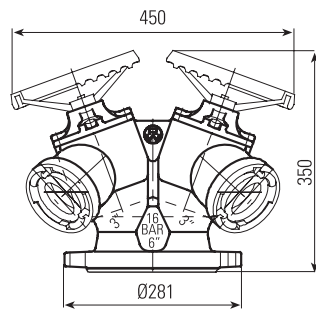
**FHF - 3"**



**FH13 - 4"**

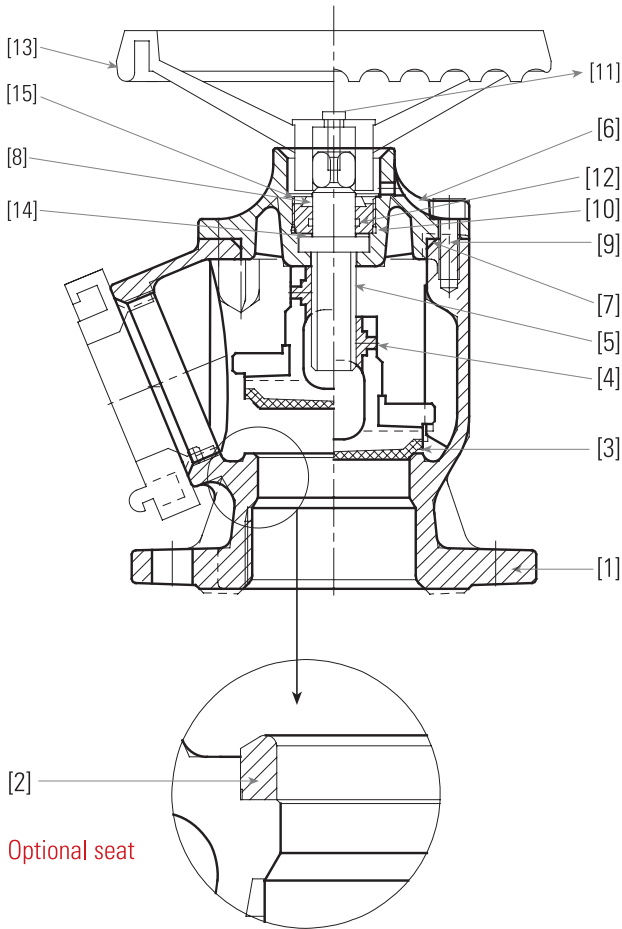


**FH12 - 6"**



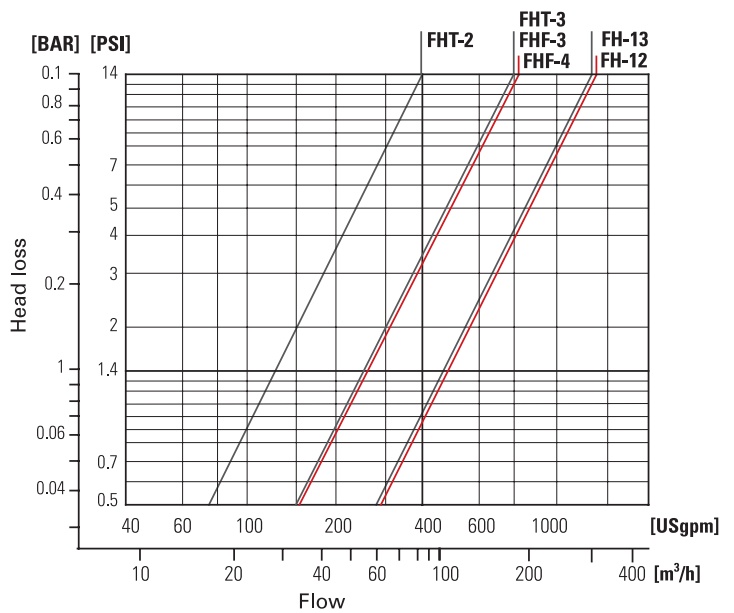
- RAPHAEL has been producing a wide range of fire hydrant valves for many years
- Innovative and sophisticated design are carried out according to the Israeli Standards requirements and to the Israel Firement's Association
- The valve seal disc, which is rubber vulcanized, guarantees complete sealing, and high reliability
- The bronze seat option provides a secure and accurate sealing
- All the valve's range body is made of cast one piece
- Valve design enables very low closing torque
- Protection against corrosion is provided by oven-baked painting
- High wear resistance
- Low head loss
- Special shape outlet preventing fire hose bending
- Unrising spindle
- Sealing between spindle and lid by o-ring which guarantees waterproofing for many years
- Stainless steel stem and stainless bolts for high reliability and resistance corrosion
- Flange connections: ASTD, ANSI, DIN

# Fire Hydrant

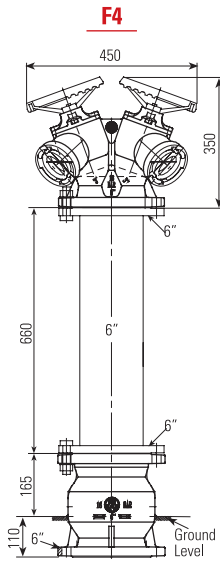
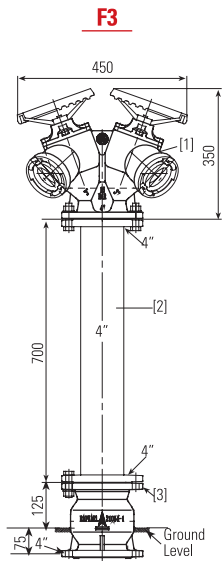
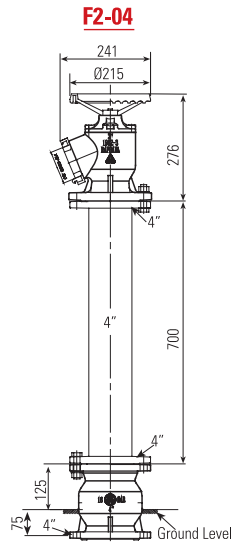
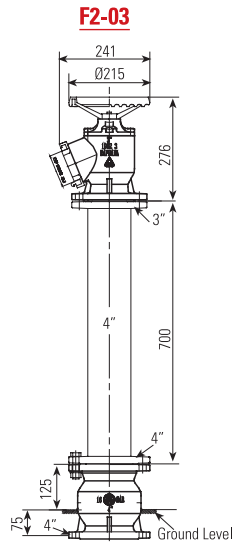
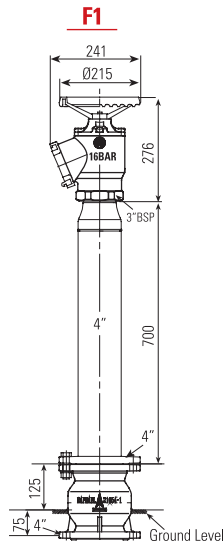


Item No.	Parts	MATERIAL
1	Body	Cast Iron
2	Seat (optional)	Cast Iron (Bronze)
3	Seal Disc	Cast Iron / Bronze + Rubber
4	Nut	Bronze
5	Spindle	Stainless Steel
6	Cover	Cast Iron
7	"O" Ring	Rubber
8	Dust Shield	Rubber
9	Bolt	Stainless Steel
10	"O" Ring	Rubber
11	Bolt	Hexagon Head
12	"O" Ring	Rubber
13	Wheel	Aluminium
14	Bearing Washer	Teflon
15	Protection Washer	Okolon

## Pressure-Loss chart for Fire Hydrant valves

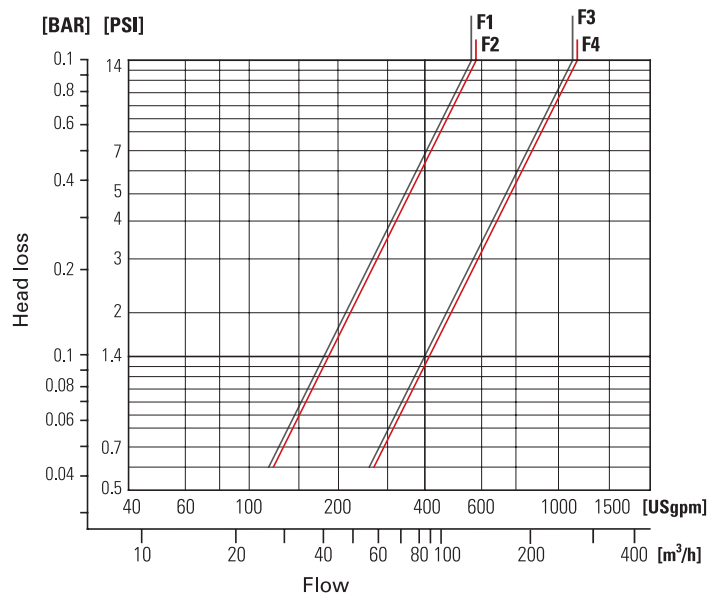


## Fire Hydrant



- [1]. Fire Hydrant
- [2]. Standpipe
- [3]. Breakage Device

**Pressure-Loss chart for complete Fire Hydrant**



## Breakage Device F-21

**Function:** fire hydrant water outlet prevention in case of mechanical damage

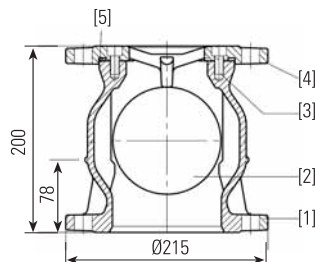
- One PC body construction
- High reliability
- Low head loss
- No need for special tooling in installation.

1	Body	Cast Iron
2	Ball	Rubber Lined Allminum
3	Bol TS	Stainless Steel
4	Cover	Cast Iron
5	O-Ring	NBR

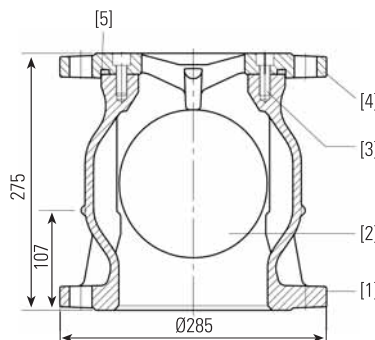
1	Body	Cast Iron
2	Ball	Rubber Lined Allminum
3	Bol TS	Stainless Steel
4	Cover	Cast Iron
5	O-Ring	NBR

1	Bottom Body	Cast Iron
2	Ball	Rubber Lined Aluminum
3	Bol TS	Stainless Steel
4	Nuts	Stainless Steel
5	Washers	Stainless Steel
6	Upper Body	Cast Iron
7	Ball Support	Stainless Steel
8	O-Ring	NBR

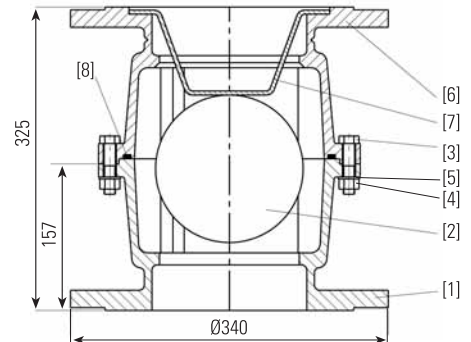
**F21-4"**



**F21-6"**



**F21-8"**



## Pressure Reduction Hydrant Valve RAF 60FP - conforms with NFPA 14 Directives Std. Sizes - DN40 - DN150

### Description

This application serves as a reliable constant pressure reducing valve for fire hoses that conforms with NFPA 14 Directives, limiting downstream pressure regardless of varying pressure and/or flow upstream of the RAF60FP control valve

### Typical Applications

- Power, Oil & Gas fire fighting hydrants
- Aviation fire fighting hydrants
- Industrial & High rise building fire fighting hydrants

### Features

- No metallic internal mechanism subject to corrosion, long term reliability
- One-piece diaphragm without internal metal spring
- In-line maintenance, no need for valve removal during maintenance
- Opening speed control
- Simple intuitive operation & adjustment
- High Built RILSAN coating, improved corrosion protection of valve

### Optional Features

- Flanged, grooved or threaded ends
- Storz quick-coupling hydrant connector
- Manual on-off valve



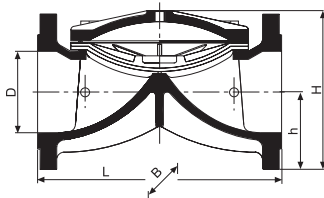
Dual Head Hydraulic Control Riser



Single Head Hydraulic Control Riser

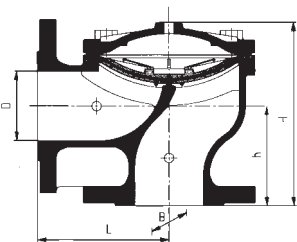
## Dimensions of RAF & RAF-A

### RAF (Inline)



	Connection	Nominal Diameter		L	H	B	h	Weight
		[mm]	[inch]					
In Line	Thread/Grooved	40	1.5	159	80	96	29	1.8
	Thread/Grooved	50	2	190	100	125	38	3.9
	Flange	50	2	190	159	165	76	7.9
	Thread/Grooved	65	2.5	216	110	125	46	6.7
	Flange	65	2.5	216	173	185	80	10.1
	Thread/Grooved	80-50-80	3-2-3	230	125	125	50	5.0
	Flange	80-50-80	3-2-3	230	175	200	100	11.0
	Thread/Grooved	80-65-80	3-2.5-3	244	127	138	50	5.4
	Flange	80-65-80	3-2.5-3	216	192	200	92	11.4
	Thread/Grooved	80	3	290	138	200	50	10.4
	Flange	80	3	283	200	200	100	17.5
	Flange	100-80-100	4-3-4	283	222	222	111	20.1
	Thread/Grooved	100	4	346	220	230	60	16.5
	Flange	100	4	305	220	230	99	25.5
	Flange	125-100-125	5-4-5	305	243	250	120	29.5
	Flange	150-100-150	6-4-6	325	285	285	143	35.8
Flange	150	6	406	295	300	142	48.5	

### RAF-A (Angle)



	Connection	Nominal Diameter		L	H	B	h	Weight
		[mm]	[inch]					
Angle	Thread/Grooved	50	2	90	150	125	81	4.2
	Flange	50	2	112	159	165	77	8.1
	Thread/Grooved	65	2.5	117	160	125	83	7.0
	Flange	65	2.5	122	160	185	83	11.0
	Thread/Grooved	80-50-80	3-2-3	110	146	125	72	4.9
	Flange	80-50-80	3-2-3	140	200	200	100	12.0
	Thread/Grooved	80-65-80	3-2.5-3	130	170	140	86	6.2
	Flange	80-65-80	3-2.5-3	130	215	200	115	12.4
	Thread/Grooved	80	3	148	205	200	107	12.0
	Flange	80	3	154	210	200	115	19.0
	Flange	100-80-100	4-3-4	155	225	220	110	21.0
	Thread/Grooved	100	4	150	227	230	118	15.9
	Flange	100	4	177	230	230	113	26.5
	Flange	150	6	218	315	300	148	48.7