

Fisher[®]

INNOVATION

cabinet

booster

pumps



SPACE SAVING

RADIUM-2 DIGITRONIC CONTROL

QUIET OPERATION

DRY RUN PROTECTION

STAINLESS STEEL IMPELLER & DIFFUSER

STAINLESS STEEL PIPES

CANNED SUBMERSIBLE PUMPS

ELECTRONIC PRESSURE TRANSDUCER

WATER HAMMER PROTECTION



Little in Space

The INSPIRE series cabinet booster pump from Fisher is an innovative arrangement of two or three canned pump submersible pumps configured inside a sheet metal cabinet with all the accessories and valves. Thus the INSPIRE booster system saves huge space and is quiet in operation. The pump system can be supplied as a plug and play unit without the need for any assembly operations on site. The system can also be concealed within a wall to save space and additional pressure vessel can be added down stream.

Big in Intelligence

The **RADIUM-2 Digitronic** controller - a micro controller based system is the back bone of all the intelligence of the INSPIRE booster system!

The system can be configured under two operational modes, either Duty-standby or Duty-assist and the various parameters can be set and adjusted easily through the keys in the panel board to achieve optimum performance.

Fisher INNOVATION inside

The total running time of the Duty and Stand-by pump can either be set to *Equal* or *Unequal*. Selecting lesser running time for the Stand by pump keeps it relatively new and enhances the system reliability. There are requirements where equal running would be the preferred choice. The INSPIRE booster system can be configured to either of the options at the press of a key! The RADIUM-2 Digitronic controller keeps track of the running hours of each pump and sequences the Duty and Standby pumps accordingly.

Accurate Pressure settings

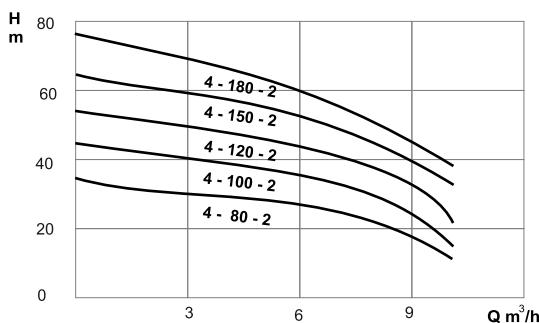
The cut-in and cut-off pressure setting is set through the soft keys on the front control panel. On setting the highest cut-off pressure, the RADIUM-2 Digitronic controller automatically assigns the remaining pressure setting and permits manual adjustment! The pressure settings can be finely adjusted to a precision of 0.1 kg/cm².

The pressure sensing is done by an electronic pressure transducer which monitors and displays the real time line pressure.

INSPIRE



RADIUM-2 Digitronic

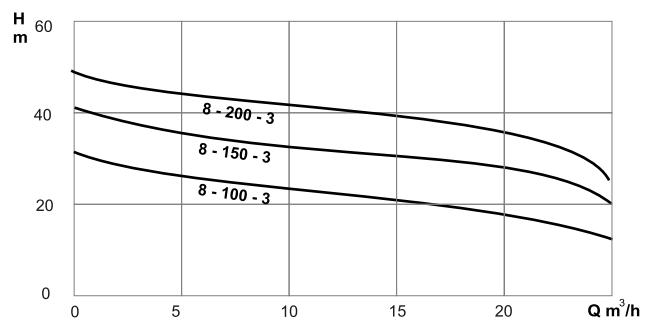


4 m³/hr x 2 pumps

Model	HP	kW	In A	P1 MAX kW	Head m					
					m ³ /hr	0	2	4	6	8
INSPIRE 4- 80-2	0.8	0.6	6	1.8	29	27	25	22	13	8
INSPIRE 4-100-2	1.0	0.8	7	2.2	38	35	32	29	25	12
INSPIRE 4-120-2	1.2	0.9	8	2.7	48	44	40	37	30	17
INSPIRE 4-150-2	1.5	1.1	10	3.4	59	56	52	48	38	28
INSPIRE 4-180-2	1.8	1.3	13	4	70	65	60	54	44	35

*Motor ratings of for one motor only

*Flow rate shown for 2pumps in operation



8 m³/hr x 3 pumps

Model	HP	kW	In A	P1 MAX kW	Head m					
					m ³ /hr	0	5	10	15	20
INSPIRE 8-100-3	1.0	0.8	6.5	2.3	31	28	25	22	17	15
INSPIRE 8-150-3	1.5	1.0	10	3.4	41	38	36	32	25	20
INSPIRE 8-200-3	2.0	1.5	14	4.5	51	47	45	40	33	25

*Motor ratings of for one motor only

*Flow rates shown for 3 pumps in operation