

## 1. gas booster pumps(Single acting, single air drive head)

### Technical Specification

Model	Pressure boost ratio	Min. gas Inlet pressure $P_A$ (bar)	Max.gas Inlet pressure $P_A$ (bar)	Max. gas outlet pressure $P_B$ (bar)	Driven air pressure $P_L$	Formula to calculate gas outlet pressure $P_B$	Connection: Gas Inlet / Gas outlet (NPT thread)	Max. flow at driven air pressure of 6bar (L/min)
DGD10	10:1	3.5	80	80	2bar-8 bar	10XPL+ $P_A$	3/8/3/8	410(at $P_A$ of 6 bar )
DGD25	25:1	10	200	200	2bar-8 bar	25XPL+ $P_A$	1/4/1/4	396(at $P_A$ of 20 bar )
DGD40	40:1	15	320	320	2bar-8 bar	40XPL+ $P_A$	1/4/1/4	320(at $P_A$ of 40 bar )
DGD60	60:1	25	480	480	2bar-8 bar	60XPL+ $P_A$	1/4/1/4	215(at $P_A$ of 40 bar )
DGD100	100:1	35	800	800	2bar-8 bar	100XPL+ $P_A$	1/4/M14*1.5	300(at $P_A$ of 60 bar )
DGD130	130:1	50	1040	1040	2bar-8 bar	130XPL+ $P_A$	1/4/M14*1.5	180(at $P_A$ of 60 bar )

Note:  $P_L$ : driven air pressure  $P_A$ : gas inlet pressure  $P_B$ : gas outlet pressure

In order to extend the lifetime of the pump, the driven air pressure should not be higher than 8 bar

## 2. gas booster pumps(Double acting )

### Technical Specification

Model	Pressure boost ratio	Min. gas Inlet pressure $P_A$ (bar)	Max.gas Inlet pressure $P_A$ (bar)	Max. gas outlet pressure $P_B$ (bar)	Driven air pressure $P_L$	Formula to calculate gas outlet pressure $P_B$	Connection: Gas Inlet / Gas outlet (NPT thread)	Max. flow at driven air pressure of 6bar (L/min)
2DGD10	10:1	3	80	80	2bar-8 bar	2bar-8 bar	1/2 / 1/2	980(at $P_A$ of 6 bar )
2DGD25	25:1	6	200	200	2bar-8 bar	2bar-8 bar	3/8 / 3/8	560(at $P_A$ of 10 bar )
2DGD40	40:1	25	320	320	2bar-8 bar	2bar-8 bar	3/8 / 3/8	480(at $P_A$ of 40 bar )
2DGD60	60:1	30	480	480	2bar-8 bar	2bar-8 bar	3/8 / 3/8	320(at $P_A$ of 40 bar )

Note:  $P_L$ : driven air pressure  $P_A$ : gas inlet pressure  $P_B$ : gas outlet pressure

In order to extend the lifetime of the pump, the driven air pressure should not be higher than 8 bar

### 3. gas booster pumps(Double acting, double stage, single air drive head )

#### Technical Specification

Model	Pressure boost ratio	Min. gas Inlet pressure $P_A$ (bar)	Max.gas Inlet pressure $P_A$ (bar)	Max. gas outlet pressure $P_B$ (bar)	Driven air pressure $P_L$	Formula to calculate gas outlet pressure $P_B$	Connection: Gas Inlet / Gas outlet (NPT thread)	Max. flow at driven air pressure of 6bar (L/min)
DGT25	25:1	0.1	10	200	2-8 bar	$25XP_L + 3.5XP_A$	3/8/ 1/4	136(at $P_A$ of 8 bar )
DGT40	40:1	0.1	10	320	2-8 bar	$40XP_L + 6XP_A$	3/8/ 1/4	124(at $P_A$ of 8 bar )
DGT10/60	10:1/60:1	0.1	10	480	2-8 bar	$60XP_L + 6X P_A$	3/8/ 1/4	84(at $P_A$ of 8 bar )
DGT25/60	25:1/60:1	10	25	480	2-8 bar	$60XP_L + 2.5XP_A$	3/8/ 1/4	80(at $P_A$ of 15 bar )
DGT100	100:1	0.1	10	800	2-8 bar	$100XP_L + 10XP_A$	3/8/ M14*1.5	63(at $P_A$ of 8 bar )

Note:  $P_L$ : driven air pressure  $P_A$ : gas inlet pressure  $P_B$ : gas outlet pressure

In order to extend the lifetime of the pump, the driven air pressure should not be higher than 8 bar