

DONKIN™ FLOW LIMITOR

310/063

310/064

For direct insertion into the outlet of a standard 32mm tapping saddle. When inserted into the saddle outlet rather than the service pipe one size flow limiter can be used for all services of 32mm and below through the use of a reducing electro-fusion coupler.

The Donkin™ Flow Limitor is an emergency shut off valve that provides service line safety, service line theft protection and automatic shut off. Should gas flow exceed limits, the flow limiter will simultaneously trip and shut off the gas, remaining closed until repairs have been made. Once the fault has been rectified, a small bleed-by flow enables the service to regain pressure equalising the pressure and allowing the unit to reset for normal operation.

Features:

- Lip type for direct insertion into the outlet of a standard full bore 32mm tapping saddle.
- Tamper proof.
- Maintenance free.
- Direction of gas flow indicator permanently moulded into the valve to ensure correct installation.
- Automatic self acting operation.
- Can be installed at any angle.
- Units available ex-stock.
- Proven in service.
- All units individually tested.
- Bleed-by design provides automatic reset.



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SERVICE CONDITIONS

Inlet Pressure: 10 psig (0.69 Bar) to 100psig (6.90 Bar).
Capacity: 725 SCFH (20.5 m³/hr) to 1715 SCFH (48.58 m³/hr).

APPLICABLE STANDARDS

MSS SP-115.

MATERIALS OF CONSTRUCTION

No.	DESCRIPTION	MATERIAL
1	Body	Acetal.
2	Diffuser Sleeve.	Acetal.
3	Spring.	Stainless Steel.
4	Float washer	Acetal.
5	'O' Rings.	Nitrile.
6	Float.	Acetal.

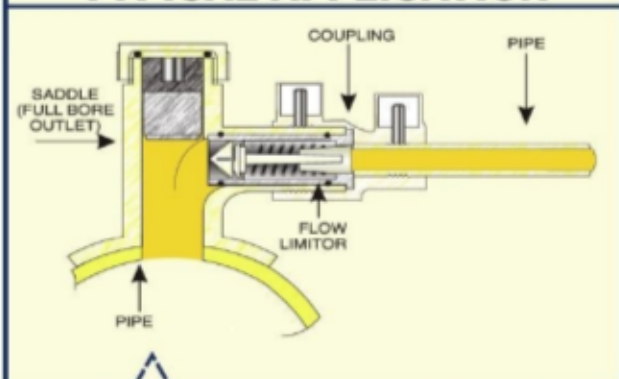
Capacities

Inlet Pressure		Flow Prior to trip		Max Bleed-by Flow After Trip	
P.S.I.G.	Bar	S.C.F.H.	M ³ /Hr	S.C.F.H.	M ³ /Hr
10	0.69	725	25.64	20	0.57
20	1.38	909	25.75	25	0.71
30	2.07	1025	29.04	28	0.79
40	2.76	1122	31.78	32	0.91
60	4.14	1354	38.36	37	1.05
80	5.52	1548	43.83	41	1.16
100	6.90	1715	48.58	50	1.42

Figures based on gas 0.6SG nominal.

LNS - 310032006103 & 310032006104

TYPICAL APPLICATION



Through the use of a reducing electro-fusion coupler one size flow limiter can be used for services smaller than 32mm, i.e. 25mm, 20mm, e.t.c. Without the need for additional fittings.

