



Las Nieves diversion dam

It transfers water from the Guadarrama river to the Valmayor reservoir through a tunnel with a capacity of thirty cubic metres per second. The average annual flow at this point of the river is of forty eight million cubic metres.

Year of entry
into service

1977

Source

Trasvase de las Nieves

Location

Collado Villalba
(Madrid)

Dam

Type:	Gravity. Vibrated concrete straight dam
Crest length:	105 m
Height:	12.5 m
Volume of masonry:	5,831 m ³

Operating elements

Spillways:	1
Spilling capacity:	587 m ³ /s
Outlets:	1
Dewatering capacity:	38 m ³ /s

Monitoring elements

- 18 topographical bases for levelling and collimation
- 2 points of area gauging
- 2 piezometers

Automated monitoring elements

- Reservoir point gauge
- 2 liquid level gauges
- 2 piezometers
- Rain gauge
- Thermometer